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Research Topic

Vaccination: All

Research Subtopics

Vaccination: Abortion
Vaccination: Adult Rubella
Vaccination: Animal Model
Vaccination: Anthrax
Vaccination: Anti-Fertility
Vaccination: BCG (Tuberculosis)
Vaccination: Combinations
Vaccination: Diphtheria-Pertussis-Tetanus
Vaccination: GMO Vaccines
Vaccination: HPV (Gardasil)
Vaccination: Haemophilus Influenzae
Vaccination: Hepatitis B
Vaccination: Hexavalent
Vaccination: Influenza
Vaccination: Japanese Encephalitis Virus Vaccine
Vaccination: Lyme disease
Vaccination: Measles
Vaccination: Mumps-Measles-Rubella (MMR)
Vaccination: Nasal

Vaccination: Oral Polio Vaccine
Vaccination: Oral Polio Vaccine, Bivalent
Vaccination: Pertussis
Vaccination: Plasmid DNA Vaccines
Vaccination: Pneumococcal
Vaccination: Polio
Vaccination: Rabies
Vaccination: Rotavirus
Vaccination: Smallpox
Vaccination: Tetanus
Vaccination: Varicella (Chicken pox)
Vaccination: Varicella Zoster (Shingles)
Vaccination: Yellow Fever

This Smart Search PDF was created based on **1** research topic. There are a total of **438** unique research articles on GreenMedInfo.com in regard to your search topic, all compiled in this research document.

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Below you will find compelling research hard-referenced to peer-reviewed biomedical research sourced from the US National Library of Medicine. For more research on over 6000 validated topics, please visit <http://GreenMedInfo.com/research-dashboard>

Overview of Terms Associated with Your Search Topic

248 Relevant Results for
Diseases

Disease/Symptom	Cumulative Article Knowledge Count	
Vaccine-induced Toxicity	1181	168
Autoimmune Diseases	98	31
Multiple Sclerosis	79	15
Vasculitis	28	6
Rheumatoid Arthritis	13	3
Guillain-Barre Syndrome	79	12

Human Papillomavirus (HPV)	41	5
Systemic Lupus Erythematosus	37	6
Macrophagic myofasciitis	35	6
Inflammatory Myopathy	1	1
Poliomyelitis	36	7
Infant Mortality	114	10
Diabetes Mellitus: Type 1	17	4
Autism Spectrum Disorders	144	23
Hepatitis B	97	13
Sudden Infant Death Syndrome (SIDS)	86	11
Asthma	61	5
Purpura: Thrombocytopenic	44	6
Myelitis	42	6
Anaphylaxis	14	3
Thrombocytopenia	86	9
Rubella	63	7
Neurodevelopmental Disorders	24	4
Whooping Cough	92	15
Autism	86	12
Pertussis	70	13
Demyelinating Diseases	68	11
Herpes Zoster	53	6
Pregnancy: Vaccination	51	5
Infant Infections	50	4
Vaccination: Abortion	40	13
Varicella	40	4
Childhood Infections	33	4
Encephalitis	23	3

Hemolytic Anemia	23	2
Immune Dysregulation: TH1/TH2 imbalance	21	3
Birth Defects	20	2
Erythema	20	2
Rabies	15	3
Non-polio acute flaccid paralysis (NPAFP)	12	3
Neuritis: Brachial Plexus	1	1
Measles	250	28
Chickenpox	113	12
Mercury Poisoning	55	7
Mumps	53	5
Upper Respiratory Infections	50	4
Arthritis	42	5
Pneumonia	41	4
Aluminum Toxicity	38	9
Swine Flu Associated Virus	34	5
Optic Neuritis	29	5
Allergies	23	2
Autoimmune/inflammatory syndrome induced by adjuvants (ASIA)	21	3
Ear Infection	21	3
Hypersensitivity	21	2
Allergies: Childhood	20	1
Arthritis: Juvenile Idiopathic	20	2
Elevated CRP	20	2
Encephalopathy: Acute Necrotizing	20	2
Meningitis: Viral	20	2
Polio	17	4
Abortion: Spontaneous	13	7

Glomerulonephritis	13	2
Lupus Erythematosus: Systemic	13	2
Seizures	13	2
Cataract	10	1
Corticosteroid-Induced Toxicity	10	1
Febrile Seizures	10	1
Lyme Disease	10	1
Neuropathy: Small Fiber	10	1
Animal Diseases: Porcine Circovirus Type 2 (PCV2)	9	5
Animal Diseases: Infectious	8	4
Dermatomyositis	7	3
Animal Diseases: Smithburn Rift Valley Fever	4	2
Brain Inflammation	3	2
Hydranencephaly	2	1
Rift Valley Fever	2	1
Influenza	140	13
Influenza A	71	6
H1N1 Infection	51	6
Anthrax	42	6
Pneumococcal Infections	41	5
Elderly: Age Specific Diseases	40	2
Myopericarditis	40	4
Child Mortality	32	5
Cystic Fibrosis	30	2
Intussusception	30	3
Myocarditis	30	3
Pericarditis	30	3
Chronic Fatigue Syndrome	26	5

Smallpox	24	4
Tetanus	23	3
Vaccinia virus	23	3
Inflammation	21	3
Acute Autoimmune Neuropathy	20	2
C-Reactive Protein	20	2
Cold and Flu: Infants & Children	20	1
Gulf War Syndrome	20	2
HPV	20	2
Infant Chemical Exposures	20	1
Infant Neurological Development	20	2
Infection: In Infants & Children	20	1
Premature Birth	20	2
Polio: Vaccine-Related	14	3
Guillain Barre Syndrome: Miller Fisher Variant	13	2
Uveitis	11	2
Alopecia	10	1
Anemia: Aplastic	10	1
Arthritis: Juvenile Chronic	10	1
Arthritis: Juvenile Rheumatoid	10	1
Arthritis: Rheumatoid	10	1
Autoimmune inflammatory polyneuropathy (PN)	10	1
CRP	10	1
Cardiovascular Diseases	10	1
Cervical Cancer	10	1
Diabetes Mellitus: Type 2	10	1
Dravet syndrome	10	1
Gastroenteritis	10	1
Gastrointestinal Diseases	10	1

Haemophilus influenzae	10	1
Hepatitis	10	1
Herpes: Ocular	10	1
Iatrogenic Disease	10	1
Inflammatory Bowel Diseases	10	1
Joint Diseases	10	1
Liver Disease	10	1
Pancytopenia	10	1
Pharyngeal Diseases	10	1
Pre-Eclampsia	10	1
Pregnancy Complications	10	1
Preterm Birth: Prevention	10	1
Shingles	10	1
Stroke: Prevention	10	1
Syncope	10	1
Thromboembolism	10	1
Ulcerative Colitis	10	1
Viremia	10	1
Retroviruses	4	3
Acute Inflammatory Demyelinating Polyradiculoneuropathy	3	1
Acute Posterior Multifocal Placoid Pigment Epitheliopathy (APMPPE)	3	1
Aphthosis: Buccal	3	1
Bell's Palsy	3	1
Chorioretinitis	3	1
Epilepsy	3	1
Lipoatrophy	3	1

Lupus Erythematosus: Cutaneous	3	1
Miller Fisher Syndrome	3	1
Pneumonitis	3	1
Polyradiculoneuropathy: Acute Inflammatory	3	1
Rhabdomyolysis	3	1
Statin-Induced Pathologies	3	1
Acute Flaccid Paralysis	2	2
Amygdala: Damage/Abnormalities	2	1
Animal Diseases: Scrapie	2	1
Animal Diseases: Simian Immunodeficiency Virus (SIV)	2	1
Infertility	2	1
Liver Damage	2	1
Epstein-Barr Virus Infections	1	1
Myasthenia Gravis	1	1
Neuromuscular Diseases	1	1
Neuropathies	1	1
Peripheral Neuropathies	1	1
Polyarteritis Nodosa	1	1
Sarcoma	1	1
Tumors	1	1
Urinary Tract Infections	1	1
Yellow Fever	1	1
Atopic Disease	20	1
Hearing Loss: Sudden	20	1
Hypersensitivity: Immediate	20	1
Influenza B	20	1
Narcolepsy	20	2
Parapertussis	13	2

Mycoplasma Infections	11	2
Aging	10	1
Allergic Rhinitis	10	1
Breast Augmentation Complications	10	1
Cholera	10	1
Circadian Dysregulation	10	1
Cognitive Decline/Dysfunction	10	1
Depressive Disorder	10	1
Developmental Disorder: Children	10	1
Diarrhea	10	1
Empyema	10	1
Encephalitis: Japanese	10	1
Fever	10	1
Fibromyalgia	10	1
Henoch-Schoenlein Purpura	10	1
Hepatitis C	10	1
Infants: Low Birth Weight	10	1
Infants: Very Low Birth Weight/Low Birth Weight	10	1
Malaria	10	1
Miscarriage	10	1
Miscarriage: Medical Intervention	10	1
Mood Disorders	10	1
Neurological Conditions	10	1
Obesity	10	1
Orchitis	10	1
Parapneumonic Empyema	10	1
Pregnancy: Flu	10	1
Respiratory Diseases	10	1
Rotavirus Infections	10	1

Sepsis	10	1
Silicone Implant Toxicity	10	1
Sleep Disorders	10	1
Tuberculosis	10	1
Vitamin D Deficiency	10	1
Zika Virus	10	1
Simian virus 40 (SV40)	5	1
Anti-NMDA Receptor Autoimmunity	3	1
Antiphospholipid Syndrome	3	1
DiGeorge Syndrome	3	1
Dysautonomia	3	1
Glyphosate Toxicity	3	1
Hemophilus influenzae	3	1
Herpes Zoster Keratitis	3	1
Incontinentia Pigmenti	3	1
Leukemia Cutis	3	1
Lichen Planus	3	1
Morphea profunda	3	1
Myelodysplastic Syndrome	3	1
Ovarian Failure	3	1
Pancreatitis	3	1
Parkinsonian Disorders	3	1
Pseudolymphoma	3	1
Psychiatric Disorders	3	1
Shoulder Injuries	3	1
Oxidative Stress	2	1
Prostate Cancer	2	1
Attention Deficit Disorder	1	1

Attention Deficit Disorder with Hyperactivity	1	1
Crohn's Disease	1	1
Encephalomyelitis	1	1
Encephalopathies	1	1
Endogenous avian retrovirus (EAV-0)	1	1
Excitotoxicity	1	1
Eye Diseases	1	1
Immune Disorders: B-Cell Over-Activity	1	1
Infertility: Female	1	1
Lower Respiratory Infections	1	1
Lymphoma	1	1
Mental Retardation	1	1
Mitochondrial Diseases	1	1
Myopathy: Inflammatory	1	1
Neuromyelitis Optica	1	1
New Variant Creutzfeldt-Jakob Disease	1	1
Spongiform Encephalopathies: Transmissible	1	1
Streptococcus pneumoniae infection	1	1

11 Relevant Results for Adverse Pharmacological Actions

Adverse Pharmacological Action Name	Cumulative Knowledge	Article Count
Immunotoxic	58	8
Neurotoxic	53	11
Inflammatory	20	2
Tumor necrosis factorα (TNFα) up-regulation	20	2
Immunosuppressive	10	1
Interleukin-6 up-regulation	10	1
Teratogenic	10	1

Myotoxicity	3	1
Hepatotoxic	2	1
Obesogenic	10	1
Apoptotic	2	1

37 Relevant Results for Problematic Actions

Problematic Action Name	Cumulative Knowledge	Article Count
Vaccination: All	2142	299
Vaccination: Mumps-Measles-Rubella (MMR)	276	37
Vaccination: Diphtheria-Pertussis-Tetanus	315	36
Vaccination: Haemophilus Influenzae	46	8
Vaccination: Hepatitis B	442	59
Vaccination: Varicella (Chicken pox)	177	22
Vaccination: Rotavirus	56	11
Vaccination: Rabies	10	5
Vaccination: Influenza	448	53
Vaccination: Tetanus	77	13
Vaccination: HPV (Gardasil)	153	23
Vaccination: Lyme disease	11	2
Vaccination: Polio	98	17
Vaccination: Measles	252	31
Vaccination: Adult Rubella	34	6
Vaccination: Pertussis	158	26
Vaccination: Combinations	40	4
Vaccination: BCG (Tuberculosis)	34	5
Vaccination: Oral Polio Vaccine	24	4
Vaccination: Diphtheria	30	2
Vaccination: Animal Model	41	17

Vaccination: Oral Polio Vaccine, Bivalent	13	2
Brachytherapy	10	1
Vaccination: Nasal	3	1
Vaccination: Plasmid DNA Vaccines	3	2
Genetically Modified Organisms	1	1
Vaccination: Smallpox	74	9
Vaccination: Pneumococcal	72	9
Vaccination: Anthrax	62	8
Vaccination: Yellow Fever	23	5
Obstetric Interventions	10	1
Vaccination: Cholera	10	1
Vaccination: Hexavalent	6	2
Vaccination: GMO Vaccines	3	2
Vaccination: Conjugate Vaccines	1	1
Vaccination: Anti-Fertility	1	1
Vaccination: Streptococcus Pneumoniae	1	1

72 Relevant Results for Keywords

Keyword Name	Cumulative Article Knowledge Count	
Vaccine Failure	245	31
Risk Factors	82	14
Molecular Mimicry	30	7
Vaccine Contaminants	12	3
Diploid Cell Vaccines	2	2
Cell Line Contamination	1	1
Increased Risk	81	9
Antibody Theory Of Vaccinology	73	8
Vaccine Shedding	31	4

Vaccine Resistance	21	3
Iatrogenic Disease	12	3
Genomic Variation	15	4
Diseases that are Linked	13	4
Biopersistence	11	2
Vaccine Contamination	7	3
Retroviruses	3	3
Vaccine Safety	21	2
Healthcare Workers Influenza	20	1
Hepatitis B Vaccine	20	2
Immunosuppressive Flu Vaccines	20	2
Lack Of Evidence Supporting Vaccines	20	1
Adverse Reaction	13	2
Antibody Titers	13	2
Chromosome	13	2
Acyclovir-Resistance	10	1
Chicken Pox (Varicella) Shingles (Herpes Zoster) Connection	10	1
Gender Differences	10	1
HPV Vaccine	10	1
Human Fetal DNA Fragments	10	1
Reservoirs For Infection	10	1
Undefined	10	1
Vaccine Efficacy Overestimation	10	1
Adverse Events	4	2
Contraceptive Vaccines	4	2
Endogenous Retroviruses	2	2
Live Attenuated Vaccines	2	2

Adventitious Viruses	1	1
GMO Vaccines	1	1
Iatrogenic Poliomyelitis	20	2
Vaccine Research	20	1
Autoantibodies	10	1
Bribing	10	1
Cytokines	10	1
Health Myths Explored	10	1
Influenza Vaccine	10	1
Mouse Brain-derived Vaccines	10	1
Multiple Vaccines	10	1
Natural Vs. Synthetic Immunity	10	1
Occult Hepatitis B	10	1
Pregnancy	10	1
Silicone Implants	10	1
Surgical Alternatives	10	1
Swine Flu Vaccine	10	1
Undernourishment And Susceptibility To Infectious Disease	10	1
Vaccine	10	1
Vaccine Efficacy	10	1
Bacterial Vaccines	3	1
Fatal Outcome	3	1
Modified Viral Antigens	3	1
Thimerosal	3	2
Vaccine Stain	3	1
Vaccine Side Effect Attenuation	2	1
Asymptomatic Transmission	1	1
Conflict Of Interest (COI)	1	1

Cross-Species Infection	1	1
Edible Vaccines	1	1
Ethical Issues	1	1
Gulf War Syndrome	1	1
Plant Vaccines	1	1
Population Control	1	1
Vaccine Risks: Mycoplasma	1	1
Vaccine-Induced Metabolic Shift (VIMS)	1	1

5 Relevant Results for Pharmacological Actions

Pharmacological Action Name	Cumulative Knowledge	Article Count
Antiviral Agents	24	4
Tumor Necrosis Factor (TNF) Alpha Inhibitor	22	3
Interleukin-6 upregulation	10	1
Immunomodulatory	10	1
Antioxidants	2	1

13 Relevant Results for Problem Substances

Problem Substance Name	Cumulative Knowledge	Article Count
Thimerosal	99	18
Vaccine Adjuvants	50	10
Aluminum Hydroxide	61	11
Simian virus 40 (SV40)	6	2
Adjuvant	11	2
Mercury	11	2
Squalene, Adjuvant	10	1
Statin Drugs	3	1

Aluminum	20	9
2-phenoxyethanol	10	1
Hepatitis Viruses	10	1
Glyphosate	3	1
Cosmetics	1	1

1 Relevant Result for Therapeutic Actions

Therapeutic Action Name	Cumulative Knowledge	Article Count
Breastfeeding	31	4

5 Relevant Results for Substances

Substance Name	Cumulative Knowledge	Article Count
Breast Milk	20	2
Zinc	10	1
Vitamin D	10	1
Coriandrum sativum	2	1
Lactobacilius bulgaricus	2	1

View the Evidence.
438 Research Articles in Total.

Category : Diseases

Abortion: Spontaneous (AC 7) (CK 13)

A vaccine developed for bison resulted in inducing

placentitis and abortion in pregnant cows.

Pubmed Data : Am J Vet Res. 1996 Nov;57(11):1604-7. PMID: [8915438](#)

Article Published Date : Nov 01, 1996

Authors : M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Infectious : CK(10) : AC(5), Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%.

Pubmed Data : J Wildl Dis. 1991 Apr;27(2):258-64. PMID: [1906114](#)

Article Published Date : Apr 01, 1991

Authors : D S Davis, J W Templeton, T A Ficht, J D Huber, R D Angus, L G Adams

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Infectious : CK(10) : AC(5), Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM antibodies.

Pubmed Data : J Med Virol. 2006 Jun;78(6):787-91. PMID: [16628582](#)

Article Published Date : Jun 01, 2006

Authors : Boulos Botros, Adel Omar, Khairat Elian, Gihan Mohamed, Atef Soliman, Adel Salib, Diaa Salman, Magdi Saad, Kenneth Earhart

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Smithburn Rift Valley Fever : CK(4) : AC(2), Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Rift Valley fever vaccine in goats cause severe deleterious

pathological changes in liver especially in kids and causing abortion in pregnant does.

Pubmed Data : Virol J. 2009;6:94. Epub 2009 Jul 6. PMID: [19580675](#)

Article Published Date : Jan 01, 2009

Authors : Samia Ahmed Kamal

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Smithburn Rift Valley Fever : CK(4) : AC(2), Rift Valley Fever : CK(2) : AC(1) , Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

The number of elective abortions following vaccination during pregnancy may be under-reported and could be substantial.

Pubmed Data : Vaccine. 2008 May 2;26(19):2428-32. Epub 2008 Mar 17. PMID: [18406499](#)

Article Published Date : May 02, 2008

Authors : Soju Chang, Robert Ball, M Miles Braun

Study Type : Review

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The vaccination of pregnant sheep resulted in abortions and hydranencephaly.

Pubmed Data : Int Immunopharmacol. 2005 Mar;5(3):555-69. PMID: [8825310](#)

Article Published Date : Mar 01, 2005

Authors : M Flanagan, S J Johnson

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Hydranencephaly : CK(2) : AC(1), Vaccination: Abortion : CK(40) : AC(13), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Vaccination of pregnant monkeys resulted in abortions in 2 out of 25.

Pubmed Data : Am J Trop Med Hyg. 1991 Apr;44(4):382-9. PMID: [2042705](#)

Article Published Date : Apr 01, 1991

Authors : A Escajadillo, J K Frenkel

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Infectious : CK(10) : AC(5),
Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model :
CK(41) : AC(17)

Acute Autoimmune Neuropathy (AC 2) (CK 20)

Hepatitis B vaccination has been linked to autoimmune inflammatory polyneuropathy (PN).

Pubmed Data : J Peripher Nerv Syst. 2002 Sep;7(3):163-7. PMID: [12365564](#)

Article Published Date : Sep 01, 2002

Authors : Claude Vital, Anne Vital, Georges Gbikpi-Benissan, Maïté Longy-Boursier, Marie-Thérèse Climas, Yves Castaing, Marie-Hélène Canron, Michel Le Bras, Klaus Petry

Study Type : Human Study

Additional Links

Diseases : Acute Autoimmune Neuropathy : CK(20) : AC(2) , Autoimmune inflammatory polyneuropathy (PN) : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.

Pubmed Data : J Infect Dis. 2008 Jul 15;198(2):226-33. PMID: [18522505](#)

Article Published Date : Jul 15, 2008

Authors : Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen

Study Type : Human Study

Additional Links

Diseases : Acute Autoimmune Neuropathy : CK(20) : AC(2) , Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18) , Influenza : CK(789) : AC(123) , Swine Flu Associated Virus : CK(182) : AC(40), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Influenza Vaccine : CK(10) : AC(1) , Swine Flu Vaccine : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Acute Flaccid Paralysis (AC 2) (CK 2)

Differential diagnosis of acute flaccid paralysis and its role in poliomyelitis surveillance.

Pubmed Data : Epidemiol Rev. 2000 ;22(2):298-316. PMID: [11218380](#)

Article Published Date : Jan 01, 2000

Authors : A Marx, J D Glass, R W Sutter

Study Type : Review

Additional Links

Diseases : Acute Flaccid Paralysis : CK(14) : AC(4)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Polio : CK(98) : AC(17)

Over 40,000 cases of AFP are reported annually since 2007 regardless of the number of actual polio cases.

Pubmed Data : BMC Public Health. 2012 ;12:229. Epub 2012 Mar 22. PMID: [22439606](#)

Article Published Date : Jan 01, 2012

Authors : Rie R Yotsu, Katharine Abba, Helen Smith, Abhijit Das

Study Type : Review

Additional Links

Diseases : Acute Flaccid Paralysis : CK(14) : AC(4) , Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Polio : CK(98) : AC(17)

Acute Inflammatory Demyelinating

Polyradiculoneuropathy (AC 1) (CK 3)

A case of lethal inflammatory polyradiculoneuropathy with spinal cord involvement after hepatitis B vaccination.

Pubmed Data : J Neurol Sci. 2001 May 1;186(1-2):81-5. PMID: [11412876](#)

Article Published Date : May 01, 2001

Authors : E Sindern, J M Schröder, M Krismann, J P Malin

Study Type : Human: Case Report

Additional Links

Diseases : [Acute Inflammatory Demyelinating Polyradiculoneuropathy](#) : CK(3) : AC(1) , [Polyradiculoneuropathy: Acute Inflammatory](#) : CK(87) : AC(1)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Hepatitis B](#) : CK(429) : AC(54)

Acute Posterior Multifocal Placoid Pigment Epitheliopathy (APMPPE) (AC 1) (CK 3)

Acute posterior multifocal placoid pigment epitheliopathy after hepatitis B vaccine has been reported.

Pubmed Data : Arch Ophthalmol. 1995 Mar;113(3):297-300. PMID: [7887843](#)

Article Published Date : Mar 01, 1995

Authors : A P Brézin, P Massin-Korobelnik, M Boudin, A Gaudric, P LeHoang

Study Type : Human: Case Report

Additional Links

Diseases : [Acute Posterior Multifocal Placoid Pigment Epitheliopathy \(APMPPE\)](#) : CK(3) : AC(1) , [Chorioretinitis](#) : CK(3) : AC(1)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Hepatitis B](#) : CK(429) : AC(54)

Aging (AC 1) (CK 10)

Pneumococcal vaccines are ineffective in children with a history of recurrent acute ear infections.

Pubmed Data : Clin Infect Dis. 2004 Oct 1;39(7):911-9. Epub 2004 Sep 1. PMID: [15472839](#)

Article Published Date : Oct 01, 2004

Authors : Reinier H Veenhoven, Debby Bogaert, Anne G M Schilder, Ger T Rijkers, Cuno S P M Uiterwaal, Herma H Kiezebrink, Muriel J P van Kempen, Inge J Dhooge, Jacob Bruin, Ed P F Ijzerman, Ronald de Groot, Wietse Kuis, Peter W M Hermans, Elisabeth A M Sanders

Study Type : Human Study

Additional Links

Diseases : [Aging](#) : CK(1658) : AC(438)

Anti Therapeutic Actions : [Vaccination: Pneumococcal](#) : CK(71) : AC(8)

Allergic Rhinitis (AC 1) (CK 10)

Timing of routine immunisations (earlier = increased) and subsequent hay fever risk.

Pubmed Data : Arch Dis Child. 2005 Jun ;90(6):567-73. PMID: [15908618](#)

Article Published Date : May 31, 2005

Authors : S A Bremner, I M Carey, S DeWilde, N Richards, W C Maier, S R Hilton, D P Strachan, D G Cook

Study Type : Human Study

Additional Links

Diseases : [Allergic Rhinitis](#) : CK(392) : AC(52), [Immune Dysregulation: TH1/TH2 imbalance](#) : CK(171) : AC(45), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Diphtheria-Pertussis-Tetanus](#) : CK(315) : AC(36)

Allergies (AC 2) (CK 23)

Allergy to viral and rickettsial vaccines; review of the literature.

Pubmed Data : Ann Allergy. 1950 Sep-Oct;8(5):699-707. PMID: [14800166](#)

Authors : S UNTRACHT, B RATNER

Study Type : Human: Case Report

Additional Links

Diseases : Allergies : CK(703) : AC(132)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.

Pubmed Data : J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: [10714532](#)

Article Published Date : Feb 01, 2000

Authors : E L Hurwitz, H Morgenstern

Study Type : Meta Analysis

Additional Links

Diseases : Allergies : CK(703) : AC(132), Allergies: Childhood : CK(70) : AC(6), Asthma : CK(1157) : AC(190), Hypersensitivity : CK(74) : AC(22), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Tetanus : CK(74) : AC(12)

Allergies: Childhood (AC 1) (CK 20)

DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.

Pubmed Data : J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: [10714532](#)

Article Published Date : Feb 01, 2000

Authors : E L Hurwitz, H Morgenstern

Study Type : Meta Analysis

Additional Links

Diseases : Allergies : CK(703) : AC(132), Allergies: Childhood : CK(70) : AC(6), Asthma : CK(1157) :

AC(190), Hypersensitivity : CK(74) : AC(22), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-
Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Tetanus : CK(74) : AC(12)

Alopecia (AC 1) (CK 10)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Pubmed Data : Autoimmunity. 2005 Jun;38(4):295-301. PMID: [16206512](#)

Article Published Date : Jun 01, 2005

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Alopecia : CK(146) : AC(32), Arthritis : CK(1964) : AC(312), Hepatitis B : CK(241) : AC(46),
Lupus Erythematosus: Systemic : CK(486) : AC(69), Optic Neuritis : CK(39) : AC(6), Rheumatoid
Arthritis : CK(706) : AC(117), Thrombocytopenia : CK(234) : AC(26), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429)
: AC(54)

Aluminum Toxicity (AC 9) (CK 38)

"Mechanisms of aluminum adjuvant toxicity and autoimmunity in pediatric populations."

Pubmed Data : Lupus. 2012 ;21(2):223-30. PMID: [22235057](#)

Article Published Date : Jan 01, 2012

Authors : L Tomljenovic, Ca Shaw

Study Type : Review

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128),
Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78), Aluminum Hydroxide : CK(79) : AC(18),

Alhydrogel injected at low dose in mouse muscle may selectively induce long-term Al cerebral accumulation and neurotoxic effects.

Pubmed Data : Toxicology. 2016 Nov 28. Epub 2016 Nov 28. PMID: [27908630](#)

Article Published Date : Nov 27, 2016

Authors : Guillemette Crépeaux, Housam Eidi, Marie-Odile David, Yasmine Baba-Amer, Eleni Tzavara, Bruno Giros, François-Jérôme Authier, Christopher Exley, Christopher A Shaw, Josette Cadusseau, Romain K Gherardi

Study Type : Animal Study

Additional Links

Diseases : [Aluminum Toxicity](#) : CK(207) : AC(75)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Problem Substances : [Aluminum Hydroxide](#) : CK(79) : AC(18)

Adverse Pharmacological Actions : [Neurotoxic](#) : CK(1251) : AC(224)

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.

Pubmed Data : Med Hypotheses. 2009 Feb;72(2):135-9. Epub 2008 Nov 11. PMID: [19004564](#)

Article Published Date : Feb 01, 2009

Authors : Christopher Exley, Louise Swarbrick, Romain K Gherardi, Francois-Jérôme Authier

Study Type : Commentary

Additional Links

Diseases : [Aluminum Toxicity](#) : CK(207) : AC(75), [Chronic Fatigue Syndrome](#) : CK(275) : AC(40), [Myopathy: Inflammatory](#) : CK(1) : AC(1), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Aluminum based adjuvants caused cell death and the subsequent release of host cell DNA, which acts as a potent endogenous immunostimulatory signal mediating alum adjuvant activity.

Pubmed Data : Nat Med. 2011 Aug ;17(8):996-1002. Epub 2011 Jul 17. PMID: [21765404](#)

Article Published Date : Jul 31, 2011

Authors : Thomas Marichal, Keiichi Ohata, Denis Bedoret, Claire Mesnil, Catherine Sabatel, Kouji Kobiyama, Pierre Lekeux, Cevayir Coban, Shizuo Akira, Ken J Ishii, Fabrice Bureau, Christophe J

Desmet

Study Type : Animal Study

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75)

Pharmacological Actions : Apoptotic : CK(2958) : AC(2075)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78) , Aluminum Hydroxide : CK(79) : AC(18)

Aluminum vaccine adjuvants appear to be contributing to the rising prevalence of autism.

Pubmed Data : J Inorg Biochem. 2011 Nov ;105(11):1489-99. Epub 2011 Aug 23. PMID: [22099159](#)

Article Published Date : Oct 31, 2011

Authors : Lucija Tomljenovic, Christopher A Shaw

Study Type : Human Study

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75), Autism Spectrum Disorders : CK(1493) : AC(159)

Additional Keywords : Diseases that are Linked : CK(2335) : AC(304)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Vaccine Adjuvants : CK(594) : AC(118)

Brain translocation of aluminum particles is linked to a trojan horse mechanism previously described for infectious particles.

Pubmed Data : Front Neurol. 2015 ;6:4. Epub 2015 Feb 5. PMID: [25699008](#)

Article Published Date : Dec 31, 2014

Authors : Romain Kroum Gherardi, Housam Eidi, Guillemette Crépeaux, François Jerome Authier, Josette Cadusseau

Study Type : Review

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Macrophagic myofasciitis : CK(36) : AC(7)

Additional Keywords : Biopersistence : CK(11) : AC(2), Genomic Variation : CK(143) : AC(18), Gulf War Syndrome : CK(1) : AC(1), Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

In the present study, intracytoplasmic inclusions were constantly detected in macrophages of the MMF lesions and were shown to contain aluminium by three different

methods.

Pubmed Data : Brain. 2001 Sep ;124(Pt 9):1821-31. PMID: [11522584](#)

Article Published Date : Aug 31, 2001

Authors : R K Gherardi, M Coquet, P Cherin, L Belec, P Moretto, P A Dreyfus, J F Pellissier, P Chariot, F J Authier

Study Type : Human Study

Additional Links

Diseases : [Aluminum Toxicity : CK\(207\) : AC\(75\)](#), [Autoimmune Diseases : CK\(6629\) : AC\(1128\)](#), [Macrophagic myofasciitis : CK\(36\) : AC\(7\)](#)

Additional Keywords : [Biopersistence : CK\(11\) : AC\(2\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#) , [Vaccination: Hepatitis B : CK\(429\) : AC\(54\)](#), [Vaccination: Tetanus : CK\(74\) : AC\(12\)](#)

Problem Substances : [Aluminum Hydroxide : CK\(79\) : AC\(18\)](#)

Insight into the cellular fate and toxicity of aluminium adjuvants used in clinically approved human vaccinations.

Pubmed Data : Sci Rep. 2016 Aug 12 ;6:31578. Epub 2016 Aug 12. PMID: [27515230](#)

Article Published Date : Aug 11, 2016

Authors : Matthew Mold, Emma Shardlow, Christopher Exley

Study Type : In Vitro Study

Additional Links

Diseases : [Aluminum Toxicity : CK\(207\) : AC\(75\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#)

Problem Substances : [Aluminum : CK\(274\) : AC\(78\)](#)

Up-to-date children were exposed to 11-26% more aluminum from vaccines than undervaccinated children between 2004 and 2011.

Pubmed Data : Vaccine. 2015 Nov 27 ;33(48):6736-44. Epub 2015 Oct 27. PMID: [26518400](#)

Article Published Date : Nov 26, 2015

Authors : Jason M Glanz, Sophia R Newcomer, Matthew F Daley, David L McClure, Roger P Baxter, Michael L Jackson, Allison L Naleway, Marlene M Lugg, Frank DeStefano

Study Type : Human Study

Additional Links

Diseases : [Aluminum Toxicity : CK\(207\) : AC\(75\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#)

Problem Substances : [Aluminum : CK\(274\) : AC\(78\)](#)

Amygdala: Damage/Abnormalities (AC 1) (CK 2)

Maturational changes in amygdala volume and the binding capacity of an opioid antagonist in the amygdala was significantly altered in infant macaques receiving the vaccine schedule.

Pubmed Data : Acta Neurobiol Exp (Wars). 2010 ;70(2):147-64. PMID: [20628439](#)

Article Published Date : Dec 31, 2009

Authors : Laura Hewitson, Brian J Lopresti, Carol Stott, N Scott Mason, Jaime Tomko

Study Type : Animal Study

Additional Links

Diseases : Amygdala: Damage/Abnormalities : CK(12) : AC(2), Neurodevelopmental Disorders : CK(217) : AC(33), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

Problem Substances : Thimerosal : CK(757) : AC(85)

Anaphylaxis (AC 3) (CK 14)

Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.

Pubmed Data : Adv Exp Med Biol. 1990;272:183-95. PMID: [20077677](#)

Article Published Date : Jan 01, 1990

Authors : Fu-Zhen Wang, Fu-Qiang Cui, Da-Wei Liu

Study Type : Human: Case Report

Additional Links

Diseases : Anaphylaxis : CK(67) : AC(18), Infant Mortality : CK(249) : AC(25), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Highly increased levels of IgE antibodies to vaccine components in children with influenza vaccine-associated anaphylaxis.

Pubmed Data : J Allergy Clin Immunol. 2015 Sep 11. Epub 2015 Sep 11. PMID: [26365388](#)

Article Published Date : Sep 10, 2015

Authors : Mizuho Nagao, Takao Fujisawa, Toshiaki Ihara, Yoichiro Kino

Study Type : Human Study

Additional Links

Diseases : Anaphylaxis : CK(67) : AC(18)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Problem Substances : 2-phenoxyethanol : CK(2) : AC(2)

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

Pubmed Data : JAMA. 1994 May 25;271(20):1602-5. PMID: [8182813](#)

Article Published Date : May 25, 1994

Authors : K R Stratton, C J Howe, R B Johnston

Study Type : Review

Additional Links

Diseases : Anaphylaxis : CK(67) : AC(18), Guillain-Barre Syndrome : CK(110) : AC(18), Hepatitis B : CK(241) : AC(46), Neuritis: Brachial Plexus : CK(1) : AC(1), Poliomyelitis : CK(33) : AC(4), Purpura: Thrombocytopenic : CK(231) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Tetanus : CK(74) : AC(12)

Anemia: Aplastic (AC 1) (CK 10)

Varicella vaccine may be associated with aplastic anemia in children.

Pubmed Data : Pediatr Infect Dis J. 2009 Aug;28(8):746-8. PMID: [19633522](#)

Article Published Date : Aug 01, 2009

Authors : Paola Angelini, Fotini Kavadas, Navneet Sharma, Susan E Richardson, Graham Tipples,

Chaim Roifman, Yigal Dror, Yehuda Nofech-Mozes

Study Type : Human Study

Additional Links

Diseases : Anemia: Aplastic : CK(30) : AC(3) , Chickenpox : CK(113) : AC(12)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Animal Diseases: Infectious (AC 4) (CK 8)

A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows.

Pubmed Data : Am J Vet Res. 1996 Nov;57(11):1604-7. PMID: [8915438](#)

Article Published Date : Nov 01, 1996

Authors : M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Infectious : CK(10) : AC(5),
Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%.

Pubmed Data : J Wildl Dis. 1991 Apr;27(2):258-64. PMID: [1906114](#)

Article Published Date : Apr 01, 1991

Authors : D S Davis, J W Templeton, T A Ficht, J D Huber, R D Angus, L G Adams

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Infectious : CK(10) : AC(5),
Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Vaccination of pregnant monkeys resulted in abortions in

2 out of 25.

Pubmed Data : Am J Trop Med Hyg. 1991 Apr;44(4):382-9. PMID: [2042705](#)

Article Published Date : Apr 01, 1991

Authors : A Escajadillo, J K Frenkel

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Infectious : CK(10) : AC(5),
Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model :
CK(41) : AC(17)

Vaccine-induced scrapie has been reported in animals.

Pubmed Data : J Gen Virol. 2003 Apr;84(Pt 4):1047-52. PMID: [12655108](#)

Article Published Date : Apr 01, 2003

Authors : Gianluigi Zanusso, Cristina Casalone, Pierluigi Acutis, Elena Bozzetta, Alessia Farinazzo, Matteo Gelati, Michele Fiorini, Gianluigi Forloni, Man Sun Sy, Salvatore Monaco, Maria Caramelli

Study Type : Animal Study

Additional Links

Diseases : Animal Diseases: Infectious : CK(10) : AC(5), Animal Diseases: Scrapie : CK(4) : AC(2) ,
Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model :
CK(41) : AC(17)

Animal Diseases: Porcine Circovirus Type 2 (PCV2) (AC 5) (CK 9)

Experimental in utero inoculation of late-term swine fetuses with porcine circovirus type 2 results in a high rate of reproductive abnormalities, including mummification and stillbirth.

Pubmed Data : J Vet Diagn Invest. 2002 Nov;14(6):507-12. PMID: [12423036](#)

Article Published Date : Nov 01, 2002

Authors : Charles S Johnson, Han S Joo, Kochakorn Direksin, Kyoung-Jin Yoon, Young K Choi

Study Type : Animal Study

Additional Links

Diseases : Animal Diseases: Porcine Circovirus Type 2 (PCV2) : CK(13) : AC(8)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

PCV2 infection is now widespread worldwide, and increasing numbers of disease conditions have been linked to PCV2 infection in pigs.

Pubmed Data : Virus Res. 2012 Mar ;164(1-2):1-3. Epub 2011 Dec 14. PMID: [22192532](#)

Article Published Date : Mar 01, 2012

Authors : Xiang-Jin Meng

Study Type : Review

Additional Links

Diseases : Animal Diseases: Porcine Circovirus Type 2 (PCV2) : CK(13) : AC(8)

Anti Therapeutic Actions : Vaccination: Rotavirus : CK(33) : AC(6)

Porcine circovirus type 2 (PCV2) vaccination of pregnant pigs may result in vertical transmission of PCV2 to the offspring.

Pubmed Data : Clin Vaccine Immunol. 2009 Jun;16(6):830-4. Epub 2009 Apr 8. PMID: [19357312](#)

Article Published Date : Jun 01, 2009

Authors : D M Madson, A R Patterson, S Ramamoorthy, N Pal, X J Meng, T Opriessnig

Study Type : Animal Study

Additional Links

Diseases : Animal Diseases: Porcine Circovirus Type 2 (PCV2) : CK(13) : AC(8)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

The intranasal inoculation of pregnant sows with porcine circovirus 2 results in abortion and reproductive failure.

Pubmed Data : J Nutr. 2009 Nov;139(11):2061-6. Epub 2009 Sep 23. PMID: [15737340](#)

Article Published Date : Nov 01, 2009

Authors : J-S Park, J Kim, Y Ha, K Jung, C Choi, J-K Lim, S-H Kim, C Chae

Study Type : Animal Study

Additional Links

Diseases : Animal Diseases: Porcine Circovirus Type 2 (PCV2) : CK(13) : AC(8)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Vaccine-induced immunity in pregnant pigs is not effective in preventing viremia in offspring.

Pubmed Data : Theriogenology. 2009 Oct 1;72(6):747-54. Epub 2009 Jun 25. PMID: [19559470](#)

Article Published Date : Oct 01, 2009

Authors : D M Madson, A R Patterson, S Ramamoorthy, N Pal, X J Meng, T Opiessnig

Study Type : Animal Study

Additional Links

Diseases : [Animal Diseases: Porcine Circovirus Type 2 \(PCV2\) : CK\(13\) : AC\(8\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#) , [Vaccination: Animal Model : CK\(41\) : AC\(17\)](#)

Animal Diseases: Scrapie (AC 1) (CK 2)

Vaccine-induced scrapie has been reported in animals.

Pubmed Data : J Gen Virol. 2003 Apr;84(Pt 4):1047-52. PMID: [12655108](#)

Article Published Date : Apr 01, 2003

Authors : Gianluigi Zanusso, Cristina Casalone, Pierluigi Acutis, Elena Bozzetta, Alessia Farinazzo, Matteo Gelati, Michele Fiorini, Gianluigi Forloni, Man Sun Sy, Salvatore Monaco, Maria Caramelli

Study Type : Animal Study

Additional Links

Diseases : [Animal Diseases: Infectious : CK\(10\) : AC\(5\)](#) , [Animal Diseases: Scrapie : CK\(4\) : AC\(2\)](#) , [Vaccine-induced Toxicity : CK\(1325\) : AC\(194\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#) , [Vaccination: Animal Model : CK\(41\) : AC\(17\)](#)

Animal Diseases: Simian Immunodeficiency Virus (SIV) (AC 1) (CK 2)

Vaccine-induced, simian immunodeficiency virus-specific CD8+ T cells reduce virus replication but do not protect from simian immunodeficiency virus disease progression.

Pubmed Data : J Immunol. 2009 Jul 1;183(1):706-17. PMID: [19542473](#)

Article Published Date : Jul 01, 2009

Authors : Jessica C Engram, Richard M Dunham, George Makedonas, Thomas H Vanderford, Beth Sumpter, Nichole R Klatt, Sarah J Ratcliffe, Seema Garg, Mirko Paiardini, Monica McQuoid, John D Altman, Silvija I Staprans, Michael R Betts, David A Garber, Mark B Feinberg, Guido Silvestri

Study Type : Animal Study

Additional Links

Diseases : [Animal Diseases: Simian Immunodeficiency Virus \(SIV\)](#) : CK(2) : AC(1)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Animal Model](#) : CK(41) : AC(17)

Animal Diseases: Smithburn Rift Valley Fever (AC 2) (CK 4)

Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM antibodies.

Pubmed Data : J Med Virol. 2006 Jun;78(6):787-91. PMID: [16628582](#)

Article Published Date : Jun 01, 2006

Authors : Boulos Botros, Adel Omar, Khairat Elian, Gihan Mohamed, Atef Soliman, Adel Salib, Diaa Salman, Magdi Saad, Kenneth Earhart

Study Type : Animal Study

Additional Links

Diseases : [Abortion: Spontaneous](#) : CK(214) : AC(30) , [Animal Diseases: Smithburn Rift Valley Fever](#) : CK(4) : AC(2) , [Vaccination: Abortion](#) : CK(40) : AC(13) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Animal Model](#) : CK(41) : AC(17)

Rift Valley fever vaccine in goats cause severe deleterious

pathological changes in liver especially in kids and causing abortion in pregnant does.

Pubmed Data : Virol J. 2009;6:94. Epub 2009 Jul 6. PMID: [19580675](#)

Article Published Date : Jan 01, 2009

Authors : Samia Ahmed Kamal

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Smithburn Rift Valley Fever : CK(4) : AC(2), Rift Valley Fever : CK(2) : AC(1) , Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Anthrax (AC 6) (CK 42)

Anthrax vaccine development suffers from a wide range of potentially insurmountable problems.

Pubmed Data : Przegl Epidemiol. 2009 ;63(4):505-12. PMID: [20120948](#)

Article Published Date : Jan 01, 2009

Authors : Dorota Zakowska, Janusz Kocik, Michał Bartoszcze

Study Type : Review

Additional Links

Diseases : Anthrax : CK(47) : AC(9)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Anthrax : CK(62) : AC(8)

Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy.

Pubmed Data : Am J Epidemiol. 2008 Aug 15 ;168(4):434-42. Epub 2008 Jul 2. PMID: [18599489](#)

Article Published Date : Aug 15, 2008

Authors : Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson

Study Type : Human Study

Additional Links

Diseases : Anthrax : CK(47) : AC(9) , Birth Defects : CK(204) : AC(39) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Anthrax : CK(62) : AC(8)

Adverse Pharmacological Actions : Teratogenic : CK(320) : AC(63)

Injection site reactions occur in 28% of those who receive the anthrax vaccine, with women having twice the incidence of reaction versus men.

Pubmed Data : Pharmacoepidemiol Drug Saf. 2007 Mar ;16(3):259-74. PMID: [17245803](#)

Article Published Date : Mar 01, 2007

Authors : Michael M McNeil, I-Shan Chiang, John T Wheeling, Yujia Zhang

Study Type : Human Study

Additional Links

Diseases : Anthrax : CK(47) : AC(9) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Gender Differences : CK(63) : AC(8)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Anthrax : CK(62) : AC(8)

The anthrax vaccine is one of the most reactogenic vaccines reported in the Vaccine Adverse Events Reporting System (VAERS) database.

Pubmed Data : Hepatogastroenterology. 2004 May-Jun;51(57):762-7. PMID: [15143911](#)

Article Published Date : May 01, 2004

Authors : Mark R Geier, David A Geier

Study Type : Human Study

Additional Links

Diseases : Anthrax : CK(47) : AC(9) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Anthrax : CK(62) : AC(8)

The development of human vaccines for anthrax has suffered from a number of technical challenges.

Pubmed Data : Hum Vaccin. 2009 Dec ;5(12):806-16. Epub 2009 Dec 9. PMID: [19786839](#)

Article Published Date : Dec 01, 2009

Authors : Leslie W Baillie

Study Type : Review

Additional Links

Diseases : Anthrax : CK(47) : AC(9)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Anthrax : CK(62) : AC(8)

The vaccine adjuvant squalene in anthrax vaccines given to soldiers in the Gulf War resulted in the formation of antibodies to squalene which are associated with Gulf War Syndrome.

Pubmed Data : Neuropharmacology. 2011 Feb-Mar;60(2-3):252-8. Epub 2010 Sep 22. PMID: [12127050](#)

Article Published Date : Feb 01, 2011

Authors : Pamela B Asa, Russell B Wilson, Robert F Garry

Study Type : Human Study

Additional Links

Diseases : Anthrax : CK(47) : AC(9) , Gulf War Syndrome : CK(43) : AC(6)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Anthrax : CK(62) : AC(8)

Problem Substances : Squalene, Adjuvant : CK(2) : AC(1)

Anti-NMDA Receptor Autoimmunity (AC 1) (CK 3)

Postural tachycardia syndrome (POTS) with anti-NMDA receptor antibodies after human papillomavirus vaccination.

Pubmed Data : Immunol Res. 2016 Aug 25. Epub 2016 Aug 25. PMID: [27561785](#)

Article Published Date : Aug 24, 2016

Authors : Svetlana Blitshteyn, Jill Brook

Study Type : Human: Case Report

Additional Links

Diseases : Anti-NMDA Receptor Autoimmunity : CK(3) : AC(1)

Additional Keywords : Anti-NMDA Receptor Autoimmunity : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Antiphospholipid Syndrome (AC 1) (CK 3)

This describes four cases of auto-immune reactions after tetanus vaccination.

Pubmed Data : Immunol Res. 2016 Jul 19. Epub 2016 Jul 19. PMID: [27435706](#)

Article Published Date : Jul 18, 2016

Authors : N Ruhrman-Shahar, J Torres-Ruiz, P Rotman-Pikielny, Y Levy

Study Type : Human: Case Report

Additional Links

Diseases : [Antiphospholipid Syndrome : CK\(3\) : AC\(1\)](#) , [Autoimmune Diseases : CK\(6629\) : AC\(1128\)](#) , [Dermatomyositis : CK\(47\) : AC\(10\)](#) , [Diabetes Mellitus: Type 1 : CK\(1130\) : AC\(301\)](#) , [Systemic Lupus Erythematosus : CK\(466\) : AC\(67\)](#)

Additional Keywords : [Risk Factors : CK\(3057\) : AC\(392\)](#)

Anti Therapeutic Actions : [Vaccination: Tetanus : CK\(74\) : AC\(12\)](#)

Aphthosis: Buccal (AC 1) (CK 3)

Cutaneous lupus erythematosus and buccal aphthosis after hepatitis B vaccination has been reported in a 6-year-old child]

Pubmed Data : Ann Dermatol Venereol. 1996;123(10):657-9. PMID: [9615128](#)

Article Published Date : Jan 01, 1996

Authors : P Grézard, M Chefäi, V Philippot, H Perrot, M Faisant

Study Type : Human: Case Report

Additional Links

Diseases : [Aphthosis: Buccal : CK\(3\) : AC\(1\)](#) , [Lupus Erythematosus: Cutaneous : CK\(17\) : AC\(4\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#) , [Vaccination: Hepatitis B : CK\(429\) : AC\(54\)](#)

Arthritis (AC 5) (CK 42)

Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year.

Pubmed Data : Clin Exp Rheumatol. 2002 Nov-Dec;20(6):767-71. PMID: [12508767](#)

Article Published Date : Nov 01, 2002

Authors : D A Geier, M R Geier

Study Type : Animal Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Autoimmune Diseases : CK(6629) : AC(1128), Rheumatoid Arthritis : CK(706) : AC(117), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Pubmed Data : Clin Chim Acta. 2006 Feb;364(1-2):196-204. Epub 2005 Aug 10. PMID: [15638050](#)

Article Published Date : Feb 01, 2006

Authors : M R Geier, D A Geier

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Rheumatoid : CK(307) : AC(55), Autoimmune Diseases : CK(6629) : AC(1128), Glomerulonephritis : CK(33) : AC(10), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), Myelitis : CK(42) : AC(6), Optic Neuritis : CK(39) : AC(6), Pancytopenia : CK(12) : AC(2), Systemic Lupus Erythematosus : CK(466) : AC(67), Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Pubmed Data : Autoimmunity. 2005 Jun;38(4):295-301. PMID: [16206512](#)

Article Published Date : Jun 01, 2005

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Alopecia : CK(146) : AC(32), Arthritis : CK(1964) : AC(312), Hepatitis B : CK(241) : AC(46), Lupus Erythematosus: Systemic : CK(486) : AC(69), Optic Neuritis : CK(39) : AC(6), Rheumatoid Arthritis : CK(706) : AC(117), Thrombocytopenia : CK(234) : AC(26), Vasculitis : CK(48) : AC(11)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.

Pubmed Data : Ann Epidemiol. 2001 Jan;11(1):13-21. PMID: [11164115](#)

Article Published Date : Jan 01, 2001

Authors : M A Fisher, S A Eklund, S A James, X Lin

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Juvenile Chronic : CK(10) : AC(1), Arthritis: Juvenile Idiopathic : CK(20) : AC(2), Arthritis: Juvenile Rheumatoid : CK(29) : AC(5), Ear Infection : CK(306) : AC(42), Pharyngeal Diseases : CK(20) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

This study found evidence of a causal relation between the RA 27/3 rubella vaccine strain and chronic arthritis in adult women.

Pubmed Data : Clin Infect Dis. 1992 Aug ;15(2):307-12. PMID: [1520764](#)

Article Published Date : Jul 31, 1992

Authors : C P Howson, M Katz, R B Johnston, H V Fineberg

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5)

Arthritis: Juvenile Chronic (AC 1) (CK 10)

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.

Pubmed Data : Ann Epidemiol. 2001 Jan;11(1):13-21. PMID: [11164115](#)

Article Published Date : Jan 01, 2001

Authors : M A Fisher, S A Eklund, S A James, X Lin

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Juvenile Chronic : CK(10) : AC(1), Arthritis: Juvenile Idiopathic : CK(20) : AC(2), Arthritis: Juvenile Rheumatoid : CK(29) : AC(5), Ear Infection : CK(306) : AC(42), Pharyngeal Diseases : CK(20) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Arthritis: Juvenile Idiopathic (AC 2) (CK 20)

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.

Pubmed Data : Ann Epidemiol. 2001 Jan;11(1):13-21. PMID: [11164115](#)

Article Published Date : Jan 01, 2001

Authors : M A Fisher, S A Eklund, S A James, X Lin

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Juvenile Chronic : CK(10) : AC(1), Arthritis: Juvenile Idiopathic : CK(20) : AC(2), Arthritis: Juvenile Rheumatoid : CK(29) : AC(5), Ear Infection : CK(306) : AC(42), Pharyngeal Diseases : CK(20) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination.

Pubmed Data : Clin Exp Rheumatol. 2012 Mar 15. Epub 2012 Mar 15. PMID: [22513085](#)

Article Published Date : Mar 15, 2012

Authors : Natasa Toplak, Vesna Subelj, Tanja Kveder, Sasa Cucnik, Katarina Prosenc, Alenka Trampus-Bakija, Ljupco Todorovski, Tadej Avcin

Study Type : Human Study

Additional Links

Diseases : [Arthritis: Juvenile Idiopathic : CK\(20\) : AC\(2\)](#) , [Vaccine-induced Toxicity : CK\(1325\) : AC\(194\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#) , [Vaccination: Influenza : CK\(435\) : AC\(50\)](#)

Adverse Pharmacological Actions : [Tumor necrosis factor \$\alpha\$ \(TNF \$\alpha\$ \) up-regulation : CK\(42\) : AC\(4\)](#)

Arthritis: Juvenile Rheumatoid (AC 1) (CK 10)

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.

Pubmed Data : Ann Epidemiol. 2001 Jan;11(1):13-21. PMID: [11164115](#)

Article Published Date : Jan 01, 2001

Authors : M A Fisher, S A Eklund, S A James, X Lin

Study Type : Human Study

Additional Links

Diseases : [Arthritis : CK\(1964\) : AC\(312\)](#) , [Arthritis: Juvenile Chronic : CK\(10\) : AC\(1\)](#) , [Arthritis: Juvenile Idiopathic : CK\(20\) : AC\(2\)](#) , [Arthritis: Juvenile Rheumatoid : CK\(29\) : AC\(5\)](#) , [Ear Infection : CK\(306\) : AC\(42\)](#) , [Pharyngeal Diseases : CK\(20\) : AC\(2\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#) , [Vaccination: Hepatitis B : CK\(429\) : AC\(54\)](#)

Arthritis: Rheumatoid (AC 1) (CK 10)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Pubmed Data : Clin Chim Acta. 2006 Feb;364(1-2):196-204. Epub 2005 Aug 10. PMID: [15638050](#)

Article Published Date : Feb 01, 2006

Authors : M R Geier, D A Geier

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Rheumatoid : CK(307) : AC(55), Autoimmune Diseases : CK(6629) : AC(1128), Glomerulonephritis : CK(33) : AC(10), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), Myelitis : CK(42) : AC(6), Optic Neuritis : CK(39) : AC(6), Pancytopenia : CK(12) : AC(2), Systemic Lupus Erythematosus : CK(466) : AC(67), Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Asthma (AC 5) (CK 61)

Administration of varicella vaccine before the age of 15 months, and the prescription of oral steroids, may be associated with a slightly increased risk of breakthrough disease.

Pubmed Data : Pediatrics. 2003 Aug;112(2):e98-103. PMID: [12897314](#)

Article Published Date : Aug 01, 2003

Authors : Thomas Verstraeten, Aisha O Jumaan, John P Mullooly, Jane F Seward, Hector S Izurieta, Frank DeStefano, Steven B Black, Robert T Chen,

Study Type : Human Study

Additional Links

Diseases : Asthma : CK(1157) : AC(190), Chickenpox : CK(113) : AC(12), Corticosteroid-Induced Toxicity : CK(77) : AC(16)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.

Pubmed Data : J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: [10714532](#)

Article Published Date : Feb 01, 2000

Authors : E L Hurwitz, H Morgenstern

Study Type : Meta Analysis

Additional Links

Diseases : Allergies : CK(703) : AC(132), Allergies: Childhood : CK(70) : AC(6), Asthma : CK(1157) : AC(190), Hypersensitivity : CK(74) : AC(22), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Tetanus : CK(74) : AC(12)

Delay in diphtheria, pertussis, tetanus vaccination is associated with a reduced risk of childhood asthma.

Pubmed Data : J Allergy Clin Immunol. 2008 Mar ;121(3):626-31. Epub 2008 Jan 18. PMID: [18207561](#)

Article Published Date : Feb 29, 2008

Authors : Kara L McDonald, Shamima I Huq, Lisa M Lix, Allan B Becker, Anita L Kozyrskyj

Study Type : Human Study

Additional Links

Diseases : Asthma : CK(1157) : AC(190)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Diphtheria immunisation is weakly associated with an increased risk of asthma by age 7 years.

Pubmed Data : Thorax. 2007 Mar;62(3):270-5. Epub 2006 Nov 7. PMID: [17090571](#)

Article Published Date : Mar 01, 2007

Authors : Kazunori Nakajima, Shyamali C Dharmage, John B Carlin, Cathryn L Wharton, Mark A Jenkins, Graham G Giles, Michael J Abramson, E Haydn Walters, John L Hopper

Study Type : Meta Analysis

Additional Links

Diseases : Asthma : CK(1157) : AC(190), Atopic Disease : CK(101) : AC(10), Hypersensitivity: Immediate : CK(143) : AC(14)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria : CK(50) : AC(2)

Pertussis vaccination and asthma: is there a link?

Pubmed Data : JAMA. 1994 Aug 24-31;272(8):592-3. PMID: [8057511](#)

Article Published Date : Aug 23, 1994

Authors : M R Odent, E E Culpin, T Kimmel

Study Type : Commentary

Additional Links

Diseases : Asthma : CK(1157) : AC(190), Autoimmune Diseases : CK(6629) : AC(1128), Whooping Cough : CK(147) : AC(22)

Additional Keywords : Diseases that are Linked : CK(2335) : AC(304)

Anti Therapeutic Actions : Vaccination: Pertussis : CK(148) : AC(25)

Atopic Disease (AC 1) (CK 20)

Diphtheria immunisation is weakly associated with an increased risk of asthma by age 7 years.

Pubmed Data : Thorax. 2007 Mar;62(3):270-5. Epub 2006 Nov 7. PMID: [17090571](#)

Article Published Date : Mar 01, 2007

Authors : Kazunori Nakajima, Shyamali C Dharmage, John B Carlin, Cathryn L Wharton, Mark A Jenkins, Graham G Giles, Michael J Abramson, E Haydn Walters, John L Hopper

Study Type : Meta Analysis

Additional Links

Diseases : Asthma : CK(1157) : AC(190) , Atopic Disease : CK(101) : AC(10) , Hypersensitivity: Immediate : CK(143) : AC(14)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria : CK(50) : AC(2)

Attention Deficit Disorder (AC 1) (CK 1)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.

Pubmed Data : J Pediatr. 2009 Apr;154(4):514-520.e4. Epub 2008 Dec 3. PMID: [19205900](#)

Article Published Date : Apr 01, 2009

Authors : Donald A Drum

Study Type : Commentary

Additional Links

Diseases : Attention Deficit Disorder : CK(136) : AC(14) , Attention Deficit Disorder with Hyperactivity : CK(303) : AC(38) , Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Child Mortality : CK(74) : AC(9) , Infant Mortality : CK(249) : AC(25) , Mental Retardation :

CK(61) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Thimerosal : CK(3) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Attention Deficit Disorder with Hyperactivity (AC 1) (CK 1)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.

Pubmed Data : J Pediatr. 2009 Apr;154(4):514-520.e4. Epub 2008 Dec 3. PMID: [19205900](#)

Article Published Date : Apr 01, 2009

Authors : Donald A Drum

Study Type : Commentary

Additional Links

Diseases : Attention Deficit Disorder : CK(136) : AC(14) , Attention Deficit Disorder with Hyperactivity : CK(303) : AC(38), Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159), Child Mortality : CK(74) : AC(9), Infant Mortality : CK(249) : AC(25), Mental Retardation : CK(61) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Thimerosal : CK(3) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Autism (AC 12) (CK 86)

Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.

Pubmed Data : J Inorg Biochem. 2011 Nov ;105(11):1489-99. Epub 2011 Aug 23. PMID: [22099159](#)

Article Published Date : Nov 01, 2011

Authors : Lucija Tomljenovic, Christopher A Shaw

Study Type : Human Study

Additional Links

Diseases : [Autism](#) : CK(617) : AC(73) , [Autism Spectrum Disorders](#) : CK(1493) : AC(159)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Problem Substances : [Aluminum Hydroxide](#) : CK(79) : AC(18)

Adverse Pharmacological Actions : [Immunotoxic](#) : CK(294) : AC(52) , [Neurotoxic](#) : CK(1251) : AC(224)

Autoimmune autistic disorder, a major subset of autism, is associated with autoantibody formation caused by viral (wild and vaccine-induced) infection.

Pubmed Data : [Ann Clin Psychiatry](#). 2009 Jul-Sep;21(3):148-61. PMID: [19758536](#)

Article Published Date : Jul 01, 2009

Authors : Vijendra K Singh

Study Type : Commentary

Additional Links

Diseases : [Autism](#) : CK(617) : AC(73) , [Autism Spectrum Disorders](#) : CK(1493) : AC(159) , [Autoimmune Diseases](#) : CK(6629) : AC(1128)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Mumps-Measles-Rubella \(MMR\)](#) : CK(276) : AC(37)

Conjugate vaccines may predispose children to autism spectrum disorders.

Pubmed Data : [Med Hypotheses](#). 2011 Oct 10. Epub 2011 Oct 10. PMID: [21993250](#)

Article Published Date : Oct 10, 2011

Authors : Brian J Richmand

Study Type : Review

Additional Links

Diseases : [Autism](#) : CK(617) : AC(73) , [Autism Spectrum Disorders](#) : CK(1493) : AC(159)

Anti Therapeutic Actions : [Vaccination: Conjugate Vaccines](#) : CK(1) : AC(1) , [Vaccination: Haemophilus Influenzae](#) : CK(25) : AC(4) , [Vaccination: Streptococcus Pneumoniae](#) : CK(1) : AC(1)

MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum disorder.

Pubmed Data : [Med Hypotheses](#). 2003 May;60(5):650-3. PMID: [12710897](#)

Article Published Date : May 01, 2003

Authors : Bijal K Mehta, Kerim M Munir

Study Type : Commentary

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Autoimmune Diseases : CK(6629) : AC(1128), Measles : CK(291) : AC(33)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Male newborns vaccinated with hepatitis B prior to 1999 had a 3-fold higher risk for parentally reported autism.

Pubmed Data : J Toxicol Environ Health A. 2010 Jan;73(24):1665-77. PMID: [21058170](#)

Article Published Date : Jan 01, 2010

Authors : Carolyn M Gallagher, Melody S Goodman

Study Type : Meta Analysis

Additional Links

Diseases : Autism : CK(617) : AC(73)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Neurological adverse events associated with vaccination.

Pubmed Data : Curr Opin Neurol. 2002 Jun ;15(3):333-8. PMID: [12045734](#)

Article Published Date : May 31, 2002

Authors : Sucheep Piyasirisilp, Thiravat Hemachudha

Study Type : Review

Additional Links

Diseases : Autism : CK(617) : AC(73) , Guillain-Barre Syndrome : CK(110) : AC(18) , Multiple Sclerosis : CK(964) : AC(184), New Variant Creutzfeldt-Jakob Disease : CK(4) : AC(2) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Events : CK(35) : AC(5) , Vaccine Contaminants : CK(11) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78) , Thimerosal : CK(757) : AC(85)

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin.

Pubmed Data : Med Hypotheses. 2008;70(2):346-8. Epub 2007 Jul 13. PMID: [17630224](#)

Article Published Date : Jan 01, 2008

Authors : Burton A Waisbren

Study Type : Commentary

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autoimmune Diseases : CK(6629) : AC(1128) , Demyelinating Diseases : CK(1671) : AC(332) , Epstein-Barr Virus Infections : CK(132) : AC(47) , Hepatitis B : CK(241) : AC(46)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism.

Pubmed Data : J Biomed Sci. 2002 Jul-Aug;9(4):359-64. PMID: [12145534](#)

Article Published Date : Jul 01, 2002

Authors : Vijendra K Singh, Sheren X Lin, Elizabeth Newell, Courtney Nelson

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Autoimmune Diseases : CK(6629) : AC(1128) , Measles : CK(291) : AC(33)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

There is a positive association between autism prevalence and childhood vaccination uptake across the U.S. population.

Pubmed Data : J Toxicol Environ Health A. 2011 Jan ;74(14):903-16. PMID: [21623535](#)

Article Published Date : Jan 01, 2011

Authors : Gayle DeLong

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

There is evidence supporting an association between increasing organic-Hg exposure from Thimerosal-containing childhood vaccines and the subsequent risk of an ASD.

Pubmed Data : Transl Neurodegener. 2013 ;2(1):25. Epub 2013 Dec 19. PMID: [24354891](#)

Article Published Date : Dec 31, 2012

Authors : David A Geier, Brian S Hooker, Janet K Kern, Paul G King, Lisa K Sykes, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Mercury Poisoning : CK(228) : AC(178) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Mercury : CK(237) : AC(38) , Thimerosal : CK(757) : AC(85)

Thimerosal-containing vaccines are associated with autism prevalence and measles-containing vaccines are associated with serious neurological disorders.

Pubmed Data : Med Sci Monit. 2004 Mar;10(3):PI33-9. Epub 2004 Mar 1. PMID: [14976450](#)

Article Published Date : Mar 01, 2004

Authors : David A Geier, Mark R Geier

Study Type : Meta Analysis

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.

Pubmed Data : J Pediatr. 2009 Apr;154(4):514-520.e4. Epub 2008 Dec 3. PMID: [19205900](#)

Article Published Date : Apr 01, 2009

Authors : Donald A Drum

Study Type : Commentary

Additional Links

Diseases : Attention Deficit Disorder : CK(136) : AC(14) , Attention Deficit Disorder with Hyperactivity : CK(303) : AC(38) , Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Child Mortality : CK(74) : AC(9) , Infant Mortality : CK(249) : AC(25) , Mental Retardation : CK(61) : AC(6) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Thimerosal : CK(3) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

(CK 144)

A gender-selective toxicity of thimerosal was observed; this finding is relevant to autism spectrum diagnosis prevalence among males and females.

Pubmed Data : Exp Toxicol Pathol. 2009 Mar ;61(2):133-6. Epub 2008 Sep 3. PMID: [18771903](#)

Article Published Date : Feb 28, 2009

Authors : Donald R Branch

Study Type : Animal Study

Additional Links

Diseases : [Autism Spectrum Disorders](#) : CK(1493) : AC(159)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Problem Substances : [Thimerosal](#) : CK(757) : AC(85)

Aluminum vaccine adjuvants appear to be contributing to the rising prevalence of autism.

Pubmed Data : J Inorg Biochem. 2011 Nov ;105(11):1489-99. Epub 2011 Aug 23. PMID: [22099159](#)

Article Published Date : Oct 31, 2011

Authors : Lucija Tomljenovic, Christopher A Shaw

Study Type : Human Study

Additional Links

Diseases : [Aluminum Toxicity](#) : CK(207) : AC(75), [Autism Spectrum Disorders](#) : CK(1493) : AC(159)

Additional Keywords : [Diseases that are Linked](#) : CK(2335) : AC(304)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Problem Substances : [Vaccine Adjuvants](#) : CK(594) : AC(118)

Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.

Pubmed Data : J Inorg Biochem. 2011 Nov ;105(11):1489-99. Epub 2011 Aug 23. PMID: [22099159](#)

Article Published Date : Nov 01, 2011

Authors : Lucija Tomljenovic, Christopher A Shaw

Study Type : Human Study

Additional Links

Diseases : [Autism](#) : CK(617) : AC(73), [Autism Spectrum Disorders](#) : CK(1493) : AC(159)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Problem Substances : [Aluminum Hydroxide](#) : CK(79) : AC(18)

Adverse Pharmacological Actions : [Immunotoxic](#) : CK(294) : AC(52), [Neurotoxic](#) : CK(1251) : AC(224)

Autism spectrum disorders are associated with vaccination, heavy metal toxicity and excitotoxicity.

Pubmed Data : Altern Ther Health Med. 2008 Nov-Dec;14(6):46-53. PMID: [19043938](#)

Article Published Date : Nov 01, 2008

Authors : Russell L Blaylock

Study Type : Commentary

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159) , Excitotoxicity : CK(58) : AC(35),
Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Autistic children have elevated levels of measles antibodies indicating that measles vaccination may be causing autoimmunity in these children.

Pubmed Data : Pediatr Neurol. 2003 Apr;28(4):292-4. PMID: [12849883](#)

Article Published Date : Apr 01, 2003

Authors : Vijendra K Singh, Ryan L Jensen

Study Type : Human Study

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159) , Vaccine-induced Toxicity : CK(1325) :
AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-
Rubella (MMR) : CK(276) : AC(37)

Autoimmune autistic disorder, a major subset of autism, is associated with autoantibody formation caused by viral (wild and vaccine-induced) infection.

Pubmed Data : Ann Clin Psychiatry. 2009 Jul-Sep;21(3):148-61. PMID: [19758536](#)

Article Published Date : Jul 01, 2009

Authors : Vijendra K Singh

Study Type : Commentary

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Autoimmune
Diseases : CK(6629) : AC(1128)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-
Rubella (MMR) : CK(276) : AC(37)

Biological assays lend support to the association between

measles virus or MMR and autism.

Pubmed Data : J Neurovirol. 2005 Feb ;11(1):1-10. PMID: [15804954](#)

Article Published Date : Jan 31, 2005

Authors : Jane E Libbey, Thayne L Sweeten, William M McMahon, Robert S Fujinami

Study Type : Review

Additional Links

Diseases : [Autism Spectrum Disorders](#) : CK(1493) : AC(159)

Anti Therapeutic Actions : [Vaccination: Mumps-Measles-Rubella \(MMR\)](#) : CK(276) : AC(37)

Boys vaccinated as neonates had threefold greater odds for autism diagnosis compared to boys never vaccinated or vaccinated after the first month of life.

Pubmed Data : J Toxicol Environ Health A. 2010 ;73(24):1665-77. PMID: [21058170](#)

Article Published Date : Dec 31, 2009

Authors : Carolyn M Gallagher, Melody S Goodman

Study Type : Human Study

Additional Links

Diseases : [Autism Spectrum Disorders](#) : CK(1493) : AC(159)

Anti Therapeutic Actions : [Vaccination: Hepatitis B](#) : CK(429) : AC(54)

Problem Substances : [Thimerosal](#) : CK(757) : AC(85)

Conjugate vaccines may predispose children to autism spectrum disorders.

Pubmed Data : Med Hypotheses. 2011 Oct 10. Epub 2011 Oct 10. PMID: [21993250](#)

Article Published Date : Oct 10, 2011

Authors : Brian J Richmand

Study Type : Review

Additional Links

Diseases : [Autism](#) : CK(617) : AC(73) , [Autism Spectrum Disorders](#) : CK(1493) : AC(159)

Anti Therapeutic Actions : [Vaccination: Conjugate Vaccines](#) : CK(1) : AC(1), [Vaccination:](#)

[Haemophilus Influenzae](#) : CK(25) : AC(4), [Vaccination: Streptococcus Pneumoniae](#) : CK(1) : AC(1)

Content: Neurotoxic | Cumulative Knowledge: 1251 | Article Count: 224

Pubmed Data : NONE

Study Type : Human Study

Additional Links

Diseases : [Autism Spectrum Disorders](#) : CK(1493) : AC(159) , [Infant Neurological Development](#) : CK(58) : AC(9)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Problem Substances : Thimerosal : CK(757) : AC(85)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum disorder.

Pubmed Data : Med Hypotheses. 2003 May;60(5):650-3. PMID: [12710897](#)

Article Published Date : May 01, 2003

Authors : Bijal K Mehta, Kerim M Munir

Study Type : Commentary

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Autoimmune Diseases : CK(6629) : AC(1128), Measles : CK(291) : AC(33)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its possible role in the pathogenesis of these disorders.

Pubmed Data : Dig Dis Sci. 2000 Apr;45(4):723-9. PMID: [10759242](#)

Article Published Date : Apr 01, 2000

Authors : H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield

Study Type : Human Study

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159) , Inflammatory Bowel Diseases : CK(1052) : AC(197), Ulcerative Colitis : CK(295) : AC(59), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Repetitive administration of aluminium to neonatal mice in amounts comparable to those to children receive via routine vaccinations result in neurodisruptive effects.

Pubmed Data : J Inorg Biochem. 2013 Nov ;128:237-44. Epub 2013 Jul 19. PMID: [23932735](#)

Article Published Date : Oct 31, 2013

Authors : C A Shaw, Y Li, L Tomljenovic

Study Type : Animal Study

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78), Vaccine Adjuvants : CK(594) : AC(118)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

The epidemic of autism may be linked to both vaccinations and mitochondrial diseases.

Pubmed Data : Clin Exp Pharmacol Physiol. 2004 Dec;31 Suppl 2:S51-3 PMID: [19043939](#)

Article Published Date : Dec 01, 2004

Authors : Stephanie F Cave

Study Type : Commentary

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159), Mercury Poisoning : CK(228) : AC(178), Mitochondrial Diseases : CK(227) : AC(92), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Diseases that are Linked : CK(2335) : AC(304)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism.

Pubmed Data : J Biomed Sci. 2002 Jul-Aug;9(4):359-64. PMID: [12145534](#)

Article Published Date : Jul 01, 2002

Authors : Vijendra K Singh, Sheren X Lin, Elizabeth Newell, Courtney Nelson

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Autoimmune Diseases : CK(6629) : AC(1128), Measles : CK(291) : AC(33)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

The wakefield scare created a natural experiment that may demonstrate a causal relationship between fetal cell line manufactured vaccines and ASD prevalence.

Pubmed Data : Issues Law Med. 2015 ;30(1):47-70. PMID: [26103708](#)

Article Published Date : Dec 31, 2014

Authors : Theresa A Deisher, Ngoc V Doan, Kumiko Koyama, Sarah Bwabye

Study Type : Human Study

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159)

Additional Keywords : Chromosome : CK(16) : AC(4), Human Fetal DNA Fragments : CK(10) : AC(1), Risk Factors : CK(3057) : AC(392), Vaccine Contaminants : CK(11) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

There is a positive association between autism prevalence and childhood vaccination uptake across the U.S. population.

Pubmed Data : J Toxicol Environ Health A. 2011 Jan ;74(14):903-16. PMID: [21623535](#)

Article Published Date : Jan 01, 2011

Authors : Gayle Delong

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

There is evidence supporting an association between increasing organic-Hg exposure from Thimerosal-containing childhood vaccines and the subsequent risk of an ASD.

Pubmed Data : Transl Neurodegener. 2013 ;2(1):25. Epub 2013 Dec 19. PMID: [24354891](#)

Article Published Date : Dec 31, 2012

Authors : David A Geier, Brian S Hooker, Janet K Kern, Paul G King, Lisa K Sykes, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Mercury : CK(237) : AC(38), Thimerosal : CK(757) : AC(85)

Thimerosal-containing vaccines are associated with autism prevalence and measles-containing vaccines are associated with serious neurological disorders.

Pubmed Data : Med Sci Monit. 2004 Mar;10(3):PI33-9. Epub 2004 Mar 1. PMID: [14976450](#)

Article Published Date : Mar 01, 2004

Authors : David A Geier, Mark R Geier

Study Type : Meta Analysis

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

This study found an increased ASD risk among children whose mothers received an influenza vaccination in their first trimester.

Pubmed Data : JAMA Pediatr. 2016 Nov 28. Epub 2016 Nov 28. PMID: [27893896](#)

Article Published Date : Nov 27, 2016

Authors : Ousseny Zerbo, Yingge Qian, Cathleen Yoshida, Bruce H Fireman, Nicola P Klein, Lisa A Croen

Study Type : Human Study

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159)

Additional Keywords : Autism Spectrum Disorders : CK(1493) : AC(159) , Increased Risk : CK(1600) : AC(192), Increased Risk : CK(1600) : AC(192) , Increased Risk : CK(1600) : AC(192) , Pregnancy : CK(10) : AC(1), Pregnancy : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Problem Substances : Vaccination: Influenza : CK(435) : AC(50)

VAERS had significantly higher ORs than autism following thimerosal containing DTaP vaccines in comparison to thimerosal free DTaP vaccines.

Pubmed Data : Behav Brain Res. 2011 Sep 30 ;223(1):107-18. Epub 2011 Apr 28. PMID: [21549155](#)

Article Published Date : Sep 29, 2011

Authors : Mieszko Olczak, Michalina Duszczyk, Pawel Mierzejewski, Ksenia Meyza, Maria Dorota Majewska

Study Type : Animal Study

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159) , Neurodevelopmental Disorders : CK(217) : AC(33)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Problem Substances : Thimerosal : CK(757) : AC(85)

Vaccination may be contributing to autoimmune disease.

Pubmed Data : J Autoimmun. 2000 Feb;14(1):1-10. PMID: [10648110](#)

Article Published Date : Feb 01, 2000

Authors : Y Shoenfeld, A Aron-Maor

Study Type : Commentary

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159) , Autoimmune Diseases : CK(6629) : AC(1128), Multiple Sclerosis : CK(964) : AC(184) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.

Pubmed Data : J Pediatr. 2009 Apr;154(4):514-520.e4. Epub 2008 Dec 3. PMID: [19205900](#)

Article Published Date : Apr 01, 2009

Authors : Donald A Drum

Study Type : Commentary

Additional Links

Diseases : Attention Deficit Disorder : CK(136) : AC(14) , Attention Deficit Disorder with Hyperactivity : CK(303) : AC(38), Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159), Child Mortality : CK(74) : AC(9), Infant Mortality : CK(249) : AC(25), Mental Retardation : CK(61) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Thimerosal : CK(3) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Autoimmune Diseases (AC 31) (CK 98)

"Mechanisms of aluminum adjuvant toxicity and autoimmunity in pediatric populations."

Pubmed Data : Lupus. 2012 ;21(2):223-30. PMID: [22235057](#)

Article Published Date : Jan 01, 2012

Authors : L Tomljenovic, Ca Shaw

Study Type : Review

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78), Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)

A 13-year-old girl developed immune thrombocytopenic purpura following vaccination with a quadrivalent human papillomavirus (HPV) vaccine.

Pubmed Data : Semin Hematol. 2016 Apr ;53 Suppl 1:S48-50. Epub 2016 Apr 7. PMID: [27312165](#)

Article Published Date : Mar 31, 2016

Authors : Mojca Bizjak, Or Bruck, Darja Kanduc, Sonja Praprotnik, Yehuda Shoenfeld

Study Type : Human: Case Report

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Thrombocytopenia : CK(234) : AC(26)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity.

Pubmed Data : Hum Vaccin. 2011 Aug 1 ;7(8). Epub 2011 Aug 1. PMID: [21785282](#)

Article Published Date : Aug 01, 2011

Authors : Salvatore Chirumbolo

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Hypersensitivity : CK(74) : AC(22), Immune Disorders: B-Cell Over-Activity : CK(2) : AC(2), Immune Dysregulation: TH1/TH2 imbalance : CK(171) : AC(45), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Adjuvant : CK(18) : AC(6)

Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year.

Pubmed Data : Clin Exp Rheumatol. 2002 Nov-Dec;20(6):767-71. PMID: [12508767](#)

Article Published Date : Nov 01, 2002

Authors : D A Geier, M R Geier

Study Type : Animal Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Autoimmune Diseases : CK(6629) : AC(1128), Rheumatoid Arthritis : CK(706) : AC(117), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Autoimmune autistic disorder, a major subset of autism, is associated with autoantibody formation caused by viral (wild and vaccine-induced) infection.

Pubmed Data : Ann Clin Psychiatry. 2009 Jul-Sep;21(3):148-61. PMID: [19758536](#)

Article Published Date : Jul 01, 2009

Authors : Vijendra K Singh

Study Type : Commentary

Additional Links

Diseases : Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Autoimmune Diseases : CK(6629) : AC(1128)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Autoimmunity following hepatitis B vaccine has been reported.

Pubmed Data : Lupus. 2012 Feb ;21(2):146-52. PMID: [22235045](#)

Article Published Date : Jan 31, 2012

Authors : Y Zafrir, N Agmon-Levin, Z Paz, T Shilton, Y Shoenfeld

Study Type : Human: Case Report

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52)

Brain translocation of aluminum particles is linked to a trojan horse mechanism previously described for infectious particles.

Pubmed Data : Front Neurol. 2015 ;6:4. Epub 2015 Feb 5. PMID: [25699008](#)

Article Published Date : Dec 31, 2014

Authors : Romain Kroum Gherardi, Housam Eidi, Guillemette Crépeaux, François Jerome Authier, Josette Cadusseau

Study Type : Review

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Macrophagic myofasciitis : CK(36) : AC(7)

Additional Keywords : Biopersistence : CK(11) : AC(2), Genomic Variation : CK(143) : AC(18), Gulf War Syndrome : CK(1) : AC(1), Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed.

Pubmed Data : Diabet Med. 2011 Jul 22. Epub 2011 Jul 22. PMID: [21781156](#)

Article Published Date : Jul 22, 2011

Authors : H Yasuda, M Nagata, H Moriyama, H Kobayashi, T Akisaki, H Ueda, K Hara, K Yokono

Study Type : Human: Case Report

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Diabetes Mellitus: Type 1 : CK(1130) : AC(301), Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Gardasil via its Al adjuvant and HPV antigens has the ability to trigger neuroinflammation and autoimmune reactions.

Pubmed Data : Immunol Res. 2016 Jul 16. Epub 2016 Jul 16. PMID: [27421722](#)

Article Published Date : Jul 15, 2016

Authors : Rotem Inbar, Ronen Weiss, Lucija Tomljenovic, Maria-Teresa Arango, Yael Deri, Christopher A Shaw, Joab Chapman, Miri Blank, Yehuda Shoenfeld

Study Type : Animal Study

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Brain Inflammation : CK(274) : AC(145)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Pubmed Data : Clin Chim Acta. 2006 Feb;364(1-2):196-204. Epub 2005 Aug 10. PMID: [15638050](#)

Article Published Date : Feb 01, 2006

Authors : M R Geier, D A Geier

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Rheumatoid : CK(307) : AC(55), Autoimmune Diseases : CK(6629) : AC(1128), Glomerulonephritis : CK(33) : AC(10), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), Myelitis : CK(42) : AC(6), Optic Neuritis : CK(39) : AC(6), Pancytopenia : CK(12) : AC(2), Systemic Lupus Erythematosus : CK(466) : AC(67), Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between Hepatitis B virus surface antigen and myelin basic protein.

Pubmed Data : Clin Dev Immunol. 2005 Sep;12(3):217-24. PMID: [16295528](#)

Article Published Date : Sep 01, 2005

Authors : Dimitrios-Petrou Bogdanos, Heather Smith, Yun Ma, Harold Baum, Giorgina Mieli-Vergani, Diego Vergani

Study Type : Human Study

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Demyelinating Diseases : CK(1671) : AC(332), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Hepatitis B Vaccine : CK(30) : AC(2), Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccinations is associated with autoimmune hazards.

Pubmed Data : Autoimmun Rev. 2005 Feb;4(2):96-100. PMID: [15722255](#)

Article Published Date : Feb 01, 2005

Authors : Marc Girard

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Hepatitis B : CK(241) : AC(46), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with

an underlying genetic or immunological susceptibility.

Pubmed Data : J Neurol Sci. 2010 May 15;292(1-2):1-4. Epub 2010 Mar 7. PMID: [20207367](#)

Article Published Date : May 15, 2010

Authors : Joerg-Patrick Stübgen

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Myasthenia Gravis : CK(82) : AC(14), Neuromuscular Diseases : CK(16) : AC(4), Neuropathies : CK(600) : AC(119), Polyarteritis Nodosa : CK(1) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

In the present study, intracytoplasmic inclusions were constantly detected in macrophages of the MMF lesions and were shown to contain aluminium by three different methods.

Pubmed Data : Brain. 2001 Sep ;124(Pt 9):1821-31. PMID: [11522584](#)

Article Published Date : Aug 31, 2001

Authors : R K Gherardi, M Coquet, P Cherin, L Belec, P Moretto, P A Dreyfus, J F Pellissier, P Chariot, F J Authier

Study Type : Human Study

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Macrophagic myofasciitis : CK(36) : AC(7)

Additional Keywords : Biopersistence : CK(11) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Tetanus : CK(74) : AC(12)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18)

Infection and vaccines are triggers for autoimmune disease.

Pubmed Data : Autoimmunity. 2005 May;38(3):235-45. PMID: [16126512](#)

Article Published Date : May 01, 2005

Authors : Vered Molina, Yehuda Shoenfeld

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum disorder.

Pubmed Data : Med Hypotheses. 2003 May;60(5):650-3. PMID: [12710897](#)

Article Published Date : May 01, 2003

Authors : Bijal K Mehta, Kerim M Munir

Study Type : Commentary

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Autoimmune Diseases : CK(6629) : AC(1128), Measles : CK(291) : AC(33)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Pertussis vaccination and asthma: is there a link?

Pubmed Data : JAMA. 1994 Aug 24-31;272(8):592-3. PMID: [8057511](#)

Article Published Date : Aug 23, 1994

Authors : M R Odent, E E Culpin, T Kimmel

Study Type : Commentary

Additional Links

Diseases : Asthma : CK(1157) : AC(190) , Autoimmune Diseases : CK(6629) : AC(1128) , Whooping Cough : CK(147) : AC(22)

Additional Keywords : Diseases that are Linked : CK(2335) : AC(304)

Anti Therapeutic Actions : Vaccination: Pertussis : CK(148) : AC(25)

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.

Pubmed Data : J Infect Dis. 2008 Jul 15;198(2):226-33. PMID: [18522505](#)

Article Published Date : Jul 15, 2008

Authors : Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen

Study Type : Human Study

Additional Links

Diseases : Acute Autoimmune Neuropathy : CK(20) : AC(2) , Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18) , Influenza : CK(789) : AC(123) , Swine Flu Associated Virus : CK(182) : AC(40), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Influenza Vaccine : CK(10) : AC(1) , Swine Flu Vaccine : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Swine flu vaccine adjuvants may cause harm in patients with autoimmune diseases such as multiple sclerosis.

Pubmed Data : Med Hypotheses. 2010 Feb 18. Epub 2010 Feb 18. PMID: [20171793](#)

Article Published Date : Feb 18, 2010

Authors : Serefnur Oztürk

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Multiple Sclerosis : CK(964) : AC(184)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

The HPV16 vaccine carries with it significant cross-reactivity risk due to the homologies that exist between the HPV and human proteome.

Pubmed Data : J Exp Ther Oncol. 2009;8(1):65-76. PMID: [19827272](#)

Article Published Date : Jan 01, 2009

Authors : Darja Kanduc

Study Type : In Vitro Study

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardasil) : CK(150) : AC(22)

The demyelinating effect of hepatitis B vaccination could be due to the contamination of the vaccine by partial hepatitis B virus polymerase.

Pubmed Data : Med Hypotheses. 2005;65(3):509-20. PMID: [15908138](#)

Article Published Date : Jan 01, 2005

Authors : E Faure

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin.

Pubmed Data : Med Hypotheses. 2008;70(2):346-8. Epub 2007 Jul 13. PMID: [17630224](#)

Article Published Date : Jan 01, 2008

Authors : Burton A Waisbren

Study Type : Commentary

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autoimmune Diseases : CK(6629) : AC(1128) , Demyelinating Diseases : CK(1671) : AC(332) , Epstein-Barr Virus Infections : CK(132) : AC(47) , Hepatitis B : CK(241) : AC(46)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism.

Pubmed Data : J Biomed Sci. 2002 Jul-Aug;9(4):359-64. PMID: [12145534](#)

Article Published Date : Jul 01, 2002

Authors : Vijendra K Singh, Sheren X Lin, Elizabeth Newell, Courtney Nelson

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Autoimmune Diseases : CK(6629) : AC(1128) , Measles : CK(291) : AC(33)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

The mercury containing vaccine adjuvant known as thimerosal has immunosuppressive and autoimmune effects in mice.

Pubmed Data : Toxicol Appl Pharmacol. 2005 Apr 15;204(2):109-21. PMID: [15808517](#)

Article Published Date : Apr 15, 2005

Authors : S Havarinasab, B Häggqvist, E Björn, K M Pollard, P Hultman

Study Type : Animal Study

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128) , Mercury Poisoning : CK(228) : AC(178) ,

Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

This case of acute pancreatitis after HPV vaccination is not a novel entity.

Pubmed Data : Immunol Res. 2016 Jul 16. Epub 2016 Jul 16. PMID: [27421720](#)

Article Published Date : Jul 15, 2016

Authors : Mojca Bizjak, Or Bruck, Sonja Praprotnik, Shani Dahan, Yehuda Shoenfeld

Study Type : Human: Case Report

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Pancreatitis : CK(233) : AC(60)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

This describes four cases of auto-immune reactions after tetanus vaccination.

Pubmed Data : Immunol Res. 2016 Jul 19. Epub 2016 Jul 19. PMID: [27435706](#)

Article Published Date : Jul 18, 2016

Authors : N Ruhrman-Shahar, J Torres-Ruiz, P Rotman-Pikielny, Y Levy

Study Type : Human: Case Report

Additional Links

Diseases : Antiphospholipid Syndrome : CK(3) : AC(1), Autoimmune Diseases : CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Diabetes Mellitus: Type 1 : CK(1130) : AC(301), Systemic Lupus Erythematosus : CK(466) : AC(67)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: Tetanus : CK(74) : AC(12)

This review found evidence of a causal relationship between HPV vaccine and autoimmune diseases in a few cases in the examined studies, and the risk vs. benefit of vaccination is still to be solved.

Pubmed Data : Autoimmun Rev. 2014 Jul ;13(7):736-41. Epub 2014 Jan 24. PMID: [24468416](#)

Article Published Date : Jun 30, 2014

Authors : Paolo Pellegrino, Carla Carnovale, Marco Pozzi, Stefania Antoniazzi, Valentina Perrone, Dionigi Salvati, Marta Gentili, Tatiana Brusadelli, Emilio Clementi, Sonia Radice

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

This study supports an association between increasing exposure from thimerosal containing childhood vaccines and the subsequent risk of specific delays in development among males and females.

Pubmed Data : N Am J Med Sci. 2014 Oct ;6(10):519-31. PMID: [25489565](#)

Article Published Date : Sep 30, 2014

Authors : David A Geier, Janet K Kern, Brian S Hooker, Paul G King, Lisa K Sykes, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Neurodevelopmental Disorders : CK(217) : AC(33)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Problem Substances : Thimerosal : CK(757) : AC(85)

Vaccination may be contributing to autoimmune disease.

Pubmed Data : J Autoimmun. 2000 Feb;14(1):1-10. PMID: [10648110](#)

Article Published Date : Feb 01, 2000

Authors : Y Shoenfeld, A Aron-Maor

Study Type : Commentary

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159), Autoimmune Diseases : CK(6629) : AC(1128), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Pubmed Data : Discov Med. 2010 Feb;9(45):90-7. PMID: [20193633](#)

Article Published Date : Feb 01, 2010

Authors : Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18), Human Papillomavirus (HPV) : CK(212) : AC(35), Inflammatory Myopathy : CK(31) : AC(4), Macrophagic myofasciitis : CK(36) : AC(7), Multiple Sclerosis : CK(964) : AC(184), Rheumatoid Arthritis : CK(706) : AC(117), Systemic Lupus Erythematosus : CK(466) : AC(67), Vaccine-induced Toxicity : CK(1325) : AC(194), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Haemophilus Influenzae : CK(25) : AC(4), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: HPV (Gardasil) : CK(150) : AC(22),

Vaccination: Influenza : CK(435) : AC(50) , Vaccination: Lyme disease : CK(11) : AC(2) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Rabies : CK(4) : AC(3) , Vaccination: Rotavirus : CK(33) : AC(6), Vaccination: Tetanus : CK(74) : AC(12) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Viruses (wild-type or recombinant vaccine-type) can silently prime for and trigger central nervous system autoimmune disease.

Pubmed Data : J Neurovirol. 2001 Jun;7(3):220-7. PMID: [11517396](#)

Article Published Date : Jun 01, 2001

Authors : D J Theil, I Tsunoda, F Rodriguez, J L Whitton, R S Fujinami

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Multiple Sclerosis : CK(964) : AC(184)

Additional Keywords : Diseases that are Linked : CK(2335) : AC(304)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Autoimmune inflammatory polyneuropathy (PN) (AC 1) (CK 10)

Hepatitis B vaccination has been linked to autoimmune inflammatory polyneuropathy (PN).

Pubmed Data : J Peripher Nerv Syst. 2002 Sep;7(3):163-7. PMID: [12365564](#)

Article Published Date : Sep 01, 2002

Authors : Claude Vital, Anne Vital, Georges Gbikpi-Benissan, Maïté Longy-Boursier, Marie-Thérèse Climas, Yves Castaing, Marie-Hélène Canron, Michel Le Bras, Klaus Petry

Study Type : Human Study

Additional Links

Diseases : Acute Autoimmune Neuropathy : CK(20) : AC(2) , Autoimmune inflammatory polyneuropathy (PN) : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) (AC 3) (CK 21)

This review concludes that chronic adjuvant stimulation may lead to lymphoma.

Pubmed Data : Immunol Res. 2015 Feb ;61(1-2):79-89. PMID: [25582758](#)

Article Published Date : Jan 31, 2015

Authors : Dana Butnaru, Yehuda Shoenfeld

Study Type : Review

Additional Links

Diseases : Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4) , Inflammation : CK(3240) : AC(882) , Lymphoma : CK(253) : AC(83)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78) , Vaccine Adjuvants : CK(594) : AC(118)

This study suggests that in some cases chronic fatigue and fibromyalgia can be temporally related to immunization, as part of ASIA syndrome.

Pubmed Data : Immunol Res. 2014 Dec ;60(2-3):376-83. PMID: [25427994](#)

Article Published Date : Nov 30, 2014

Authors : Nancy Agmon-Levin, Yaron Zafrir, Shaye Kivity, Ari Balofsky, Howard Amital, Yehuda Shoenfeld

Study Type : Human Study

Additional Links

Diseases : Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4) , Chronic Fatigue Syndrome : CK(275) : AC(40) , Fibromyalgia : CK(619) : AC(67)

Additional Keywords : Autoantibodies : CK(30) : AC(3) , Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

This was a case study in which 3 patients with autoimmune/auto-inflammatory syndrome induced by adjuvants (ASIA) after quadrivalent human

papillomavirus vaccination (HPV).

Pubmed Data : Clin Exp Rheumatol. 2015 May 11. Epub 2015 May 11. PMID: [25962455](#)

Article Published Date : May 10, 2015

Authors : Juan-Manuel Anaya, Benjamin Reyes, Ana M Perdomo-Arciniegas, Bernardo Camacho-Rodríguez, Adriana Rojas-Villarraga

Study Type : Human Study

Additional Links

Diseases : [Autoimmune/inflammatory syndrome induced by adjuvants \(ASIA\)](#) : CK(31) : AC(4)

Additional Keywords : [Risk Factors](#) : CK(3057) : AC(392)

Anti Therapeutic Actions : [Vaccination: HPV \(Gardasil\)](#) : CK(150) : AC(22)

Problem Substances : [Vaccine Adjuvants](#) : CK(594) : AC(118)

Adverse Pharmacological Actions : [Immunotoxic](#) : CK(294) : AC(52), [Inflammatory](#) : CK(244) : AC(66)

Bell's Palsy (AC 1) (CK 3)

Bell's palsy is a possible complication of hepatitis B vaccination in children.

Pubmed Data : J Health Popul Nutr. 2009 Oct;27(5):707-8. PMID: [19902808](#)

Article Published Date : Oct 01, 2009

Authors : Handan Alp, Hüseyin Tan, Zerrin Orbak

Study Type : Human: Case Report

Additional Links

Diseases : [Bell's Palsy](#) : CK(13) : AC(3)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Hepatitis B](#) : CK(429) : AC(54)

Birth Defects (AC 2) (CK 20)

Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester

versus later in pregnancy.

Pubmed Data : Am J Epidemiol. 2008 Aug 15 ;168(4):434-42. Epub 2008 Jul 2. PMID: [18599489](#)

Article Published Date : Aug 15, 2008

Authors : Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson

Study Type : Human Study

Additional Links

Diseases : [Anthrax](#) : CK(47) : AC(9) , [Birth Defects](#) : CK(204) : AC(39) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Anthrax](#) : CK(62) : AC(8)

Adverse Pharmacological Actions : [Teratogenic](#) : CK(320) : AC(63)

Congenital malformation is a possible consequence of rubella vaccination during pregnancy.

Pubmed Data : JAMA. 1981 Sep 25;246(13):1413-7. PMID: [7265443](#)

Article Published Date : Sep 25, 1981

Authors : S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann

Study Type : Human Study

Additional Links

Diseases : [Birth Defects](#) : CK(204) : AC(39) , [Pregnancy: Vaccination](#) : CK(92) : AC(16) , [Rubella](#) : CK(54) : AC(4) , [Vaccination: Abortion](#) : CK(40) : AC(13) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Adult Rubella](#) : CK(24) : AC(5) , [Vaccination: All](#) : CK(5137) : AC(437)

Brain Inflammation (AC 2) (CK 3)

"Adverse events associated with 17D-derived yellow fever vaccination--United States, 2001-2002."

Pubmed Data : MMWR Morb Mortal Wkly Rep. 2002 Nov 8 ;51(44):989-93. PMID: [12455906](#)

Article Published Date : Nov 08, 2002

Study Type : Review

Additional Links

Diseases : [Brain Inflammation](#) : CK(274) : AC(145) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Yellow Fever](#) : CK(13) : AC(2)

Gardasil via its AI adjuvant and HPV antigens has the ability to trigger neuroinflammation and autoimmune reactions.

Pubmed Data : Immunol Res. 2016 Jul 16. Epub 2016 Jul 16. PMID: [27421722](#)

Article Published Date : Jul 15, 2016

Authors : Rotem Inbar, Ronen Weiss, Lucija Tomljenovic, Maria-Teresa Arango, Yael Deri, Christopher A Shaw, Joab Chapman, Miri Blank, Yehuda Shoenfeld

Study Type : Animal Study

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Brain Inflammation : CK(274) : AC(145)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Breast Augmentation Complications (AC 1) (CK 10)

Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.

Pubmed Data : Autoimmun Rev. 2008 Oct;8(1):52-5. Epub 2008 Aug 24. PMID: [18725327](#)

Article Published Date : Oct 01, 2008

Authors : Agmon-Levin Nancy, Yehuda Shoenfeld

Study Type : Human Study

Additional Links

Diseases : Breast Augmentation Complications : CK(32) : AC(4) , Chronic Fatigue Syndrome : CK(275) : AC(40), Hepatitis B : CK(241) : AC(46), Silicone Implant Toxicity : CK(10) : AC(1) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Silicone Implants : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

C-Reactive Protein (AC 2) (CK 20)

CRP level in infants is elevated in the 48 hours following immunization.

Pubmed Data : J Pediatr. 2007 Aug ;151(2):167-72. Epub 2007 Jun 22. PMID: [17643770](#)

Article Published Date : Aug 01, 2007

Authors : Massroor Pourcyrus, Sheldon B Korones, Kristopher L Arheart, Henrietta S Bada

Study Type : Human Study

Additional Links

Diseases : C-Reactive Protein : CK(1852) : AC(174), Premature Birth : CK(424) : AC(45) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Multiple Vaccines : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.

Pubmed Data : J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: [20964738](#)

Article Published Date : Sep 01, 2010

Authors : Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

Study Type : Human Study

Additional Links

Diseases : C-Reactive Protein : CK(1852) : AC(174), Cardiovascular Diseases : CK(7342) : AC(916) , Diabetes Mellitus: Type 2 : CK(3572) : AC(624) , Influenza A : CK(387) : AC(101) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Pharmacological Actions : Interleukin-6 upregulation : CK(26) : AC(7)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

CRP (AC 1) (CK 10)

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as

preterm birth.

Pubmed Data : Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: [21945263](#)

Article Published Date : Sep 20, 2011

Authors : Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

Study Type : Human Study

Additional Links

Diseases : CRP : CK(30) : AC(3), Elevated CRP : CK(82) : AC(9), Pre-Eclampsia : CK(299) : AC(33), Pregnancy: Vaccination : CK(92) : AC(16), Pregnancy Complications : CK(192) : AC(23), Preterm Birth: Prevention : CK(111) : AC(9), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions : Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factor α (TNF α) up-regulation : CK(42) : AC(4)

Cardiovascular Diseases (AC 1) (CK 10)

Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.

Pubmed Data : J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: [20964738](#)

Article Published Date : Sep 01, 2010

Authors : Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

Study Type : Human Study

Additional Links

Diseases : C-Reactive Protein : CK(1852) : AC(174), Cardiovascular Diseases : CK(7342) : AC(916), Diabetes Mellitus: Type 2 : CK(3572) : AC(624), Influenza A : CK(387) : AC(101), Vaccine-induced Toxicity : CK(1325) : AC(194)

Pharmacological Actions : Interleukin-6 upregulation : CK(26) : AC(7)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Cataract (AC 1) (CK 10)

In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.

Pubmed Data : Int Ophthalmol Clin. 1975;15(4):229-41. PMID: [773881](#)

Article Published Date : Jan 01, 1975

Authors : V Boniuk

Study Type : Human Study

Additional Links

Diseases : Cataract : CK(196) : AC(61), Pregnancy: Vaccination : CK(92) : AC(16), Rubella : CK(54) : AC(4), Vaccination: Abortion : CK(40) : AC(13), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(5137) : AC(437)

Cervical Cancer (AC 1) (CK 10)

The risk of miscarriage increases following HPV vaccination.

Pubmed Data : BMJ. 2010;340:c712. Epub 2010 Mar 2. PMID: [20197322](#)

Article Published Date : Jan 01, 2010

Authors : Sholom Wacholder, Bingshu Eric Chen, Allen Wilcox, George Macones, Paula Gonzalez, Brian Befano, Allan Hildesheim, Ana Cecilia Rodríguez, Diane Solomon, Rolando Herrero, Mark Schiffman,

Study Type : Human Study

Additional Links

Diseases : Cervical Cancer : CK(345) : AC(144)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Chickenpox (AC 12) (CK 113)

A chickenpox outbreak occurred in a school in which 97% of students without a prior history of chickenpox were vaccinated.

Pubmed Data : Pediatrics. 2004 Mar ;113(3 Pt 1):455-9. PMID: [14993534](#)

Article Published Date : Feb 29, 2004

Authors : Barna D Tugwell, Lore E Lee, Hilary Gillette, Eileen M Lorber, Katrina Hedberg, Paul R Cieslak

Study Type : Human: Case Report

Additional Links

Diseases : [Chickenpox](#) : CK(113) : AC(12)

Additional Keywords : [Vaccine Failure](#) : CK(255) : AC(32)

Anti Therapeutic Actions : [Vaccination: Varicella \(Chicken pox\)](#) : CK(177) : AC(22)

Administration of varicella vaccine before the age of 15 months, and the prescription of oral steroids, may be associated with a slightly increased risk of breakthrough disease.

Pubmed Data : Pediatrics. 2003 Aug;112(2):e98-103. PMID: [12897314](#)

Article Published Date : Aug 01, 2003

Authors : Thomas Verstraeten, Aisha O Jumaan, John P Mullooly, Jane F Seward, Hector S Izurieta, Frank DeStefano, Steven B Black, Robert T Chen,

Study Type : Human Study

Additional Links

Diseases : [Asthma](#) : CK(1157) : AC(190), [Chickenpox](#) : CK(113) : AC(12), [Corticosteroid-Induced Toxicity](#) : CK(77) : AC(16)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Mumps-Measles-Rubella \(MMR\)](#) : CK(276) : AC(37), [Vaccination: Varicella \(Chicken pox\)](#) : CK(177) : AC(22)

Approximately 1 in every 5 children who receives 1 dose of varicella vaccine may develop varicella disease, also known as breakthrough disease, if exposed to varicella-zoster virus.

Pubmed Data : J Infect Dis. 2008 Mar 1 ;197 Suppl 2:S127-31. PMID: [18419385](#)

Article Published Date : Feb 29, 2008

Authors : Sandra S Chaves, John Zhang, Rachel Civen, Barbara M Watson, Tina Carbajal, Dana Perella, Jane F Seward

Study Type : Human Study

Additional Links

Diseases : [Chickenpox](#) : CK(113) : AC(12)

Additional Keywords : [Vaccine Resistance](#) : CK(11) : AC(2)

Anti Therapeutic Actions : [Vaccination: Varicella \(Chicken pox\)](#) : CK(177) : AC(22)

Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period.

Pubmed Data : Med J Aust. 2010 Jul 19;193(2):110-3. PMID: [20642419](#)

Article Published Date : Jul 19, 2010

Authors : Mark R Nelson, Helena C Britt, Christopher M Harrison

Study Type : Human Study

Additional Links

Diseases : [Chickenpox](#) : CK(113) : AC(12) , [Herpes Zoster](#) : CK(473) : AC(36) , [Shingles](#) : CK(473) : AC(36) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Additional Keywords : [Chicken Pox \(Varicella\) Shingles \(Herpes Zoster\) Connection](#) : CK(20) : AC(2)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Varicella \(Chicken pox\)](#) : CK(177) : AC(22)

Loss of vaccine-induced immunity to varicella over time.

Pubmed Data : N Engl J Med. 2007 Mar 15 ;356(11):1121-9. PMID: [17360990](#)

Article Published Date : Mar 14, 2007

Authors : Sandra S Chaves, Paul Gargiullo, John X Zhang, Rachel Civen, Dalya Guris, Laurene Mascola, Jane F Seward

Study Type : Human Study

Additional Links

Diseases : [Chickenpox](#) : CK(113) : AC(12)

Anti Therapeutic Actions : [Vaccination: Varicella \(Chicken pox\)](#) : CK(177) : AC(22)

Varicella vaccination in South Korea, despite high compliance rates (via mandatory vaccination), has not eradicated the disease.

Pubmed Data : Clin Vaccine Immunol. 2014 May ;21(5):762-8. Epub 2014 Mar 26. PMID: [24671555](#)

Article Published Date : Apr 30, 2014

Authors : Sung Hee Oh, Eun Hwa Choi, Seon Hee Shin, Yun-Kyung Kim, Jin Keun Chang, Kyong Min Choi, Jae Kyun Hur, Kyung-Hyo Kim, Jae Youn Kim, Eun Hee Chung, Soo Young Lee, Su Eun Park, Sungho Cha, Kwang-Nam Kim, Sang Hyuk Ma, Byung Wook Eun, Nam Hee Kim, Dae Sun Jo, Bo Youl Choi, Shin Ah Kim

Study Type : Human Study

Additional Links

Diseases : [Chickenpox](#) : CK(113) : AC(12)

Anti Therapeutic Actions : [Vaccination: Varicella \(Chicken pox\)](#) : CK(177) : AC(22)

Varicella vaccine has been associated with viremia and streptococcal toxic shock syndrome.

Pubmed Data : Med J Aust. 2009 Apr 20;190(8):451-3. PMID: [19374621](#)

Article Published Date : Apr 20, 2009

Authors : Claire M Italiano, Cheryl S Toi, Simon P Chan, Dominic E Dwyer

Study Type : Human Study

Additional Links

Diseases : [Chickenpox](#) : CK(113) : AC(12), [Viremia](#) : CK(10) : AC(1)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Varicella \(Chicken pox\)](#) : CK(177) : AC(22)

Varicella vaccine has been reported to cause chronic, acyclovir-resistant herpes zoster infection in an immunosuppressed child.

Pubmed Data : J Infect Dis. 2003 Oct 1;188(7):954-9. Epub 2003 Sep 26. PMID: [14513413](#)

Article Published Date : Oct 01, 2003

Authors : Myron J Levin, Karen M Dahl, Adriana Weinberg, Roger Giller, Amita Patel, Philip R Krause

Study Type : Human Study

Additional Links

Diseases : [Chickenpox](#) : CK(113) : AC(12), [Herpes Zoster](#) : CK(473) : AC(36)

Pharmacological Actions : [Antiviral Agents](#) : CK(938) : AC(433)

Additional Keywords : [Acyclovir-Resistance](#) : CK(11) : AC(2)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Varicella \(Chicken pox\)](#) : CK(177) : AC(22)

Varicella vaccine has been reported to viral meningitis in an immunocompetent child.

Pubmed Data : Ann Emerg Med. 2009 Jun;53(6):792-5. Epub 2008 Nov 22. PMID: [19028409](#)

Article Published Date : Jun 01, 2009

Authors : Sujit Iyer, Manoj K Mittal, Richard L Hodinka

Study Type : Human Study

Additional Links

Diseases : Chickenpox : CK(113) : AC(12) , Herpes Zoster : CK(473) : AC(36) , Meningitis: Viral : CK(20) : AC(2)

Pharmacological Actions : Antiviral Agents : CK(938) : AC(433)

Additional Keywords : Undefined : CK(14) : AC(3)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Varicella vaccine may be associated with aplastic anemia in children.

Pubmed Data : Pediatr Infect Dis J. 2009 Aug;28(8):746-8. PMID: [19633522](#)

Article Published Date : Aug 01, 2009

Authors : Paola Angelini, Fotini Kavadas, Navneet Sharma, Susan E Richardson, Graham Tipples, Chaim Roifman, Yigal Dror, Yehuda Nofech-Mozes

Study Type : Human Study

Additional Links

Diseases : Anemia: Aplastic : CK(30) : AC(3) , Chickenpox : CK(113) : AC(12)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Varicella vaccine virus can be contagious and infect others - Article 2.

Pubmed Data : J Infect Dis. 1997 Oct;176(4):1072-5. PMID: [9333170](#)

Article Published Date : Oct 01, 1997

Authors : P LaRussa, S Steinberg, F Meurice, A Gershon

Study Type : Human Study

Additional Links

Diseases : Chickenpox : CK(113) : AC(12)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Varicella vaccine virus can be contagious and infect others.

Pubmed Data : Homeopathy. 2009 Apr;98(2):77-82. PMID: [9255208](#)

Article Published Date : Apr 01, 2009

Authors : M B Salzman, R G Sharrar, S Steinberg, P LaRussa

Study Type : Human Study

Additional Links

Diseases : Chickenpox : CK(113) : AC(12)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Child Mortality (AC 5) (CK 32)

Co-administration of live measles and yellow fever vaccines and inactivated pentavalent vaccines is associated with increased mortality compared with measles and yellow fever vaccines only. An observational study from Guinea-Bissau.

Article Published Date : Dec 06, 2013

Authors : Ane Bærent Fisker, Henrik Ravn, Amabelia Rodrigues, Marie Drivsholm Ostergaard, Carlito Bale, Christine Stabell Benn, Peter Aaby

Study Type : Human Study

Additional Links

Diseases : Child Mortality : CK(74) : AC(9)

Additional Keywords : Vaccine : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Evidence exists demonstrating that diphtheria-tetanus-pertussis (DTP) vaccines increase mortality in children.

Pubmed Data : Trop Med Int Health. 2007 Jan;12(1):15-24. PMID: [17207144](#)

Article Published Date : Jan 01, 2007

Authors : Peter Aaby, Christine Stabell Benn, Jens Nielsen, Ida Maria Lisse, Amabelia Rodrigues, Henrik Jensen

Study Type : Human Study

Additional Links

Diseases : Child Mortality : CK(74) : AC(9), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

High-titer measles vaccination before 9 months of age has been linked to increased female mortality.

Pubmed Data : Semin Pediatr Infect Dis. 2003 Jul;14(3):220-32. PMID: [12913835](#)

Article Published Date : Jul 01, 2003

Authors : Peter Aaby, Henrik Jensen, Francois Simondon, Hilton Whittle

Study Type : Human Study

Additional Links

Diseases : [Child Mortality](#) : CK(74) : AC(9), [Measles](#) : CK(291) : AC(33)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Measles](#) : CK(252) : AC(31)

Measles vaccination in developing countries has resulted in higher infant mortality rates.

Pubmed Data : BMJ. 1993 Nov 20;307(6915):1294-5. PMID: [8257878](#)

Article Published Date : Nov 20, 1993

Authors : A J Hall, F T Cutts

Study Type : Review

Additional Links

Diseases : [Child Mortality](#) : CK(74) : AC(9), [Measles](#) : CK(291) : AC(33), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Measles](#) : CK(252) : AC(31)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.

Pubmed Data : J Pediatr. 2009 Apr;154(4):514-520.e4. Epub 2008 Dec 3. PMID: [19205900](#)

Article Published Date : Apr 01, 2009

Authors : Donald A Drum

Study Type : Commentary

Additional Links

Diseases : [Attention Deficit Disorder](#) : CK(136) : AC(14), [Attention Deficit Disorder with Hyperactivity](#) : CK(303) : AC(38), [Autism](#) : CK(617) : AC(73), [Autism Spectrum Disorders](#) : CK(1493) : AC(159), [Child Mortality](#) : CK(74) : AC(9), [Infant Mortality](#) : CK(249) : AC(25), [Mental Retardation](#) : CK(61) : AC(6), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Additional Keywords : [Thimerosal](#) : CK(3) : AC(2)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Childhood Infections (AC 4) (CK 33)

BCG revaccination may raise mortality in young children.

Pubmed Data : BMJ. 2010;340:c671. Epub 2010 Mar 15. PMID: [20231251](#)

Article Published Date : Jan 01, 2010

Authors : Adam Edvin Roth, Christine Stabell Benn, Henrik Ravn, Amabelia Rodrigues, Ida Maria Lisse, Maria Yazdanbakhsh, Hilton Whittle, Peter Aaby

Study Type : Human Study

Additional Links

Diseases : [Childhood Infections](#) : CK(275) : AC(29) , [Tuberculosis](#) : CK(312) : AC(54)

Anti Therapeutic Actions : [Vaccination: BCG \(Tuberculosis\)](#) : CK(33) : AC(4)

Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.

Pubmed Data : Ann Pharmacother. 2010 Jul-Aug;44(7-8):1330-3. Epub 2010 May 18. PMID: [20484170](#)

Article Published Date : Jul 01, 2010

Authors : Marie-Eve Tremblay, Aurélie Closon, Guy D'Anjou, Jean-François Bussièrès

Study Type : Human: Case Report

Additional Links

Diseases : [Childhood Infections](#) : CK(275) : AC(29) , [Guillain-Barre Syndrome](#) : CK(110) : AC(18) , [Influenza](#) : CK(789) : AC(123) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Influenza](#) : CK(435) : AC(50)

Influenza vaccines were not shown to be effective among children 6 to 59 months of age during 2 influenza seasons.

Pubmed Data : Anticancer Res. 2009 Nov;29(11):4629-32. PMID: [18838647](#)

Article Published Date : Nov 01, 2009

Authors : Peter G Szilagyi, Gerry Fairbrother, Marie R Griffin, Richard W Hornung, Stephanie Donauer, Ardythe Morrow, Mekibib Altaye, Yuwei Zhu, Sandra Ambrose, Kathryn M Edwards, Katherine A Poehling, Geraldine Lofthus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat,

Study Type : Human Study

Additional Links

Diseases : [Childhood Infections](#) : CK(275) : AC(29) , [Influenza](#) : CK(789) : AC(123) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Influenza](#) : CK(435) : AC(50)

There has been a five-fold increase in pediatric parapneumonic empyema since introduction of pneumococcal conjugate vaccine.

Pubmed Data : Pediatr Infect Dis J. 2008 Nov;27(11):1030-2. PMID: [18845981](#)

Article Published Date : Nov 01, 2008

Authors : Debra J Hendrickson, Dean A Blumberg, Jesse P Joad, Sanjay Jhawar, Ruth J McDonald

Study Type : Human Study

Additional Links

Diseases : [Childhood Infections : CK\(275\) : AC\(29\)](#), [Empyema : CK\(10\) : AC\(1\)](#), [Parapneumonic Empyema : CK\(10\) : AC\(1\)](#), [Vaccine-induced Toxicity : CK\(1325\) : AC\(194\)](#)

Anti Therapeutic Actions : [Vaccination: Pneumococcal : CK\(71\) : AC\(8\)](#)

Cholera (AC 1) (CK 10)

killed cholera vaccination generates an inferior immune response in comparison to patients with naturally acquired cholera.

Pubmed Data : Clin Vaccine Immunol. 2011 May ;18(5):844-50. Epub 2011 Feb 23. PMID: [21346055](#)

Article Published Date : May 01, 2011

Authors : Mohammad Murshid Alam, M Asrafuzzaman Riyadh, Kaniz Fatema, Mohammad Arif Rahman, Nayeema Akhtar, Tanvir Ahmed, Mohiul Islam Chowdhury, Fahima Chowdhury, Stephen B Calderwood, Jason B Harris, Edward T Ryan, Firdausi Qadri

Study Type : Human Study

Additional Links

Diseases : [Cholera : CK\(66\) : AC\(24\)](#)

Additional Keywords : [Natural Vs. Synthetic Immunity : CK\(22\) : AC\(4\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#), [Vaccination: Cholera : CK\(20\) : AC\(2\)](#)

Chorioretinitis (AC 1) (CK 3)

Acute posterior multifocal placoid pigment epitheliopathy after hepatitis B vaccine has been reported.

Pubmed Data : Arch Ophthalmol. 1995 Mar;113(3):297-300. PMID: [7887843](#)

Article Published Date : Mar 01, 1995

Authors : A P Brézin, P Massin-Korobelnik, M Boudin, A Gaudric, P LeHoang

Study Type : Human: Case Report

Additional Links

Diseases : Acute Posterior Multifocal Placoid Pigment Epitheliopathy (APMPPE) : CK(3) : AC(1),
Chorioretinitis : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429)
: AC(54)

Chronic Fatigue Syndrome (AC 5) (CK 26)

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.

Pubmed Data : Med Hypotheses. 2009 Feb;72(2):135-9. Epub 2008 Nov 11. PMID: [19004564](#)

Article Published Date : Feb 01, 2009

Authors : Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier

Study Type : Commentary

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75), Chronic Fatigue Syndrome : CK(275) : AC(40) ,
Myopathy: Inflammatory : CK(1) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.

Pubmed Data : Autoimmun Rev. 2008 Oct;8(1):52-5. Epub 2008 Aug 24. PMID: [18725327](#)

Article Published Date : Oct 01, 2008

Authors : Agmon-Levin Nancy, Yehuda Shoenfeld

Study Type : Human Study

Additional Links

Diseases : Breast Augmentation Complications : CK(32) : AC(4) , Chronic Fatigue Syndrome : CK(275) : AC(40), Hepatitis B : CK(241) : AC(46), Silicone Implant Toxicity : CK(10) : AC(1) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Silicone Implants : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines.

Pubmed Data : J Trace Elem Med Biol. 2012 Mar 14. Epub 2012 Mar 14. PMID: [22425036](#)

Article Published Date : Mar 14, 2012

Authors : Olivier Guillard, Bernard Fauconneau, Alain Pineau, Annie Marraud, Jean-Pierre Bellocq, Marie-Pierre Chenard

Study Type : Human: Case Report, Review

Additional Links

Diseases : Chronic Fatigue Syndrome : CK(275) : AC(40) , Macrophagic myofasciitis : CK(36) : AC(7), Pseudolymphoma : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18) , Vaccine Adjuvants : CK(594) : AC(118)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52)

The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer.

Pubmed Data : Biologicals. 2010 May;38(3):371-6. Epub 2010 Apr 8. PMID: [20378372](#)

Article Published Date : May 01, 2010

Authors : Takayuki Miyazawa

Study Type : Animal Study

Additional Links

Diseases : Chronic Fatigue Syndrome : CK(275) : AC(40) , Prostate Cancer : CK(1499) : AC(438) , Retroviruses : CK(7) : AC(1) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

This study suggests that in some cases chronic fatigue

and fibromyalgia can be temporally related to immunization, as part of ASIA syndrome.

Pubmed Data : Immunol Res. 2014 Dec ;60(2-3):376-83. PMID: [25427994](#)

Article Published Date : Nov 30, 2014

Authors : Nancy Agmon-Levin, Yaron Zafrir, Shaye Kivity, Ari Balofsky, Howard Amital, Yehuda Shoenfeld

Study Type : Human Study

Additional Links

Diseases : Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4) , Chronic Fatigue Syndrome : CK(275) : AC(40) , Fibromyalgia : CK(619) : AC(67)

Additional Keywords : Autoantibodies : CK(30) : AC(3) , Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Circadian Dysregulation (AC 1) (CK 10)

Typhoid vaccination produced significant impairments in several measures of sleep continuity.

Pubmed Data : Psychopharmacology (Berl). 2016 Aug 9. Epub 2016 Aug 9. PMID: [27503474](#)

Article Published Date : Aug 08, 2016

Authors : Ann L Sharpley, Charlotte M Cooper, Clare Williams, Beata R Godlewska, Philip J Cowen

Study Type : Human Study

Additional Links

Diseases : Circadian Dysregulation : CK(165) : AC(34) , Sleep Disorders : CK(282) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Adverse Pharmacological Actions : Inflammatory : CK(244) : AC(66)

Cognitive Decline/Dysfunction (AC 1) (CK 10)

Long-term persistence of vaccine-derived aluminum

hydroxide within the body assessed by MMF is associated with cognitive dysfunction.

Pubmed Data : J Inorg Biochem. 2009 Nov ;103(11):1571-8. Epub 2009 Aug 20. PMID: [19748679](#)

Article Published Date : Oct 31, 2009

Authors : Maryline Couette, Marie-Françoise Boisse, Patrick Maison, Pierre Brugieres, Pierre Cesaro, Xavier Chevalier, Romain K Gherardi, Anne-Catherine Bachoud-Levi, François-Jérôme Authier

Study Type : Human Study

Additional Links

Diseases : [Cognitive Decline/Dysfunction](#) : CK(1163) : AC(215), [Macrophagic myofasciitis](#) : CK(36) : AC(7)

Additional Keywords : [Increased Risk](#) : CK(1600) : AC(192)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Problem Substances : [Aluminum Hydroxide](#) : CK(79) : AC(18)

Cold and Flu: Infants & Children (AC 1) (CK 20)

Inactivated flu vaccines have not been proven to be effective or safe in preventing influenza in healthy children under two.

Pubmed Data : Altern Ther Health Med. 2009 Sep-Oct;15(5):44-6. PMID: [18425905](#)

Article Published Date : Sep 01, 2009

Authors : Tom Jefferson, Alessandro Rivetti, Anthony Harnden, Carlo Di Pietrantonj, Vittorio Demicheli

Study Type : Meta Analysis

Additional Links

Diseases : [Cold and Flu: Infants & Children](#) : CK(62) : AC(6), [Infection: In Infants & Children](#) : CK(101) : AC(10), [Influenza A](#) : CK(387) : AC(101)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Influenza](#) : CK(435) : AC(50)

Corticosteroid-Induced Toxicity (AC 1) (CK 10)

Administration of varicella vaccine before the age of 15 months, and the prescription of oral steroids, may be associated with a slightly increased risk of breakthrough disease.

Pubmed Data : Pediatrics. 2003 Aug;112(2):e98-103. PMID: [12897314](#)

Article Published Date : Aug 01, 2003

Authors : Thomas Verstraeten, Aisha O Jumaan, John P Mullooly, Jane F Seward, Hector S Izurieta, Frank DeStefano, Steven B Black, Robert T Chen,

Study Type : Human Study

Additional Links

Diseases : Asthma : CK(1157) : AC(190), Chickenpox : CK(113) : AC(12), Corticosteroid-Induced Toxicity : CK(77) : AC(16)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Crohn's Disease (AC 1) (CK 1)

It is hypothesized, in the present review, that Al is a potential factor for induction or maintaining the inflammation in Crohn's disease.

Pubmed Data : Ann N Y Acad Sci. 2007 Jun ;1107:329-45. PMID: [17804561](#)

Article Published Date : May 31, 2007

Authors : Aaron Lerner

Study Type : Review

Additional Links

Diseases : Crohn's Disease : CK(153) : AC(30)

Additional Keywords : Genomic Variation : CK(143) : AC(18), Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78)

Cystic Fibrosis (AC 2) (CK 30)

Annual influenza vaccination hampers the development of virus-specific CD8(+) T cell responses necessary to protect against influenza infection.

Pubmed Data : J Virol. 2011 Nov ;85(22):11995-2000. Epub 2011 Aug 31. PMID: [21880755](#)

Article Published Date : Nov 01, 2011

Authors : Rogier Bodewes, Pieter L A Fraaij, Martina M Geelhoed-Mieras, Carel A van Baalen, Harm A W M Tiddens, Annemarie M C van Rossum, Fiona R van der Klis, Ron A M Fouchier, Albert D M E Osterhaus, Guus F Rimmelzwaan

Study Type : Human Study

Additional Links

Diseases : [Cystic Fibrosis](#) : CK(547) : AC(83) , [Influenza](#) : CK(789) : AC(123)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Influenza](#) : CK(435) : AC(50)

Adverse Pharmacological Actions : [Immunosuppressive](#) : CK(168) : AC(31)

There is currently no evidence from randomised studies that influenza vaccine given to people with CF is of benefit to them.

Pubmed Data : Cochrane Database Syst Rev. 2009 Oct 7;(4):CD001753. PMID: [19821281](#)

Article Published Date : Oct 07, 2009

Authors : Poonam Dharmaraj, Rosalind L Smyth

Study Type : Meta Analysis

Additional Links

Diseases : [Cystic Fibrosis](#) : CK(547) : AC(83)

Additional Keywords : [Vaccine Research](#) : CK(20) : AC(1)

Anti Therapeutic Actions : [Vaccination: Influenza](#) : CK(435) : AC(50)

Demyelinating Diseases (AC 11) (CK 68)

A post vaccine case report involving an adverse event and the presence of a microdeletion of chromosome 22 linked to the DiGeorge syndrome.

Pubmed Data : Vaccine. 2014 Sep 29 ;32(43):5552-4. Epub 2014 Aug 30. PMID: [25171844](#)

Article Published Date : Sep 28, 2014

Authors : Mariella Valenzise, Antonio Cascio, Malgorzata Wasniewska, Giuseppina Zirilli, Maria Ausilia Catena, Stefania Arasi

Study Type : Human: Case Report

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), DiGeorge Syndrome : CK(3) : AC(1), Encephalitis : CK(31) : AC(8), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Reaction : CK(13) : AC(2), Chromosome : CK(16) : AC(4), Genomic Variation : CK(143) : AC(18), Modified Viral Antigens : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination.

Pubmed Data : J Clin Neurosci. 2008 Dec;15(12):1315-22. Epub 2008 Oct 30. PMID: [18976924](#)

Article Published Date : Dec 01, 2008

Authors : William Huynh, Dennis J Cordato, Elias Kehdi, Lynette T Masters, Chris Dedousis

Study Type : Commentary

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Encephalomyelitis : CK(24) : AC(15), Neuromyelitis Optica : CK(22) : AC(5), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.

Pubmed Data : J Neurosci Res. 2001 Sep 1;65(5):446-54. PMID: [11536329](#)

Article Published Date : Sep 01, 2001

Authors : C Besson Duvanel, P Honegger, J M Matthieu

Study Type : Animal Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Multiple Sclerosis : CK(964) : AC(184), Rubella : CK(54) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

HPV vaccination has been linked to demyelination.

Pubmed Data : J Child Neurol. 2010 Mar;25(3):321-7. PMID: [20189933](#)

Article Published Date : Mar 01, 2010

Authors : Francis J DiMario, Mirna Hajjar, Thomas Ciesielski

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple sclerosis.

Pubmed Data : Med Hypotheses. 2006;66(1):84-6. Epub 2005 Sep 19. PMID: [16176857](#)

Article Published Date : Jan 01, 2006

Authors : Yannick Comenge, Marc Girard

Study Type : Commentary

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination is associated with an increased risk of CNS inflammatory demyelination after 3 years of age.

Pubmed Data : Reprod Toxicol. 2002 May-Jun;16(3):237-43. PMID: [18843097](#)

Article Published Date : May 01, 2002

Authors : Yann Mikaeloff, Guillaume Caridade, Samy Suissa, Marc Tardieu

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Inflammation : CK(3240) : AC(882), Multiple Sclerosis : CK(964) : AC(184)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between Hepatitis B virus surface antigen and myelin basic protein.

Pubmed Data : Clin Dev Immunol. 2005 Sep;12(3):217-24. PMID: [16295528](#)

Article Published Date : Sep 01, 2005

Authors : Dimitrios-Petrou Bogdanos, Heather Smith, Yun Ma, Harold Baum, Giorgina Mieli-Vergani, Diego Vergani

Study Type : Human Study

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Demyelinating Diseases : CK(1671) : AC(332), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Hepatitis B Vaccine : CK(30) : AC(2), Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.

Pubmed Data : Neurology. 2004 Sep 14;63(5):838-42. PMID: [15365133](#)

Article Published Date : Sep 14, 2004

Authors : Miguel A Hernán, Susan S Jick, Michael J Olek, Hershel Jick

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Hepatitis B Vaccine : CK(30) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.

Pubmed Data : Mult Scler. 2009 Jan;15(1):116-9. Epub 2008 Sep 19. PMID: [18805844](#)

Article Published Date : Jan 01, 2009

Authors : I Sutton, R Lahoria, Il Tan, P Clouston, Mh Barnett

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), HPV : CK(31) : AC(4), Human Papillomavirus (HPV) : CK(212) : AC(35), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : HPV Vaccine : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardasil) : CK(150) : AC(22)

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin.

Pubmed Data : Med Hypotheses. 2008;70(2):346-8. Epub 2007 Jul 13. PMID: [17630224](#)

Article Published Date : Jan 01, 2008

Authors : Burton A Waisbren

Study Type : Commentary

Additional Links

Diseases : Autism : CK(617) : AC(73), Autoimmune Diseases : CK(6629) : AC(1128), Demyelinating Diseases : CK(1671) : AC(332), Epstein-Barr Virus Infections : CK(132) : AC(47), Hepatitis B : CK(241) : AC(46)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).

Pubmed Data : JAMA Neurol. 2014 Dec ;71(12):1506-13. PMID: [25329096](#)

Article Published Date : Nov 30, 2014

Authors : Annette Langer-Gould, Lei Qian, Sara Y Tartof, Sonu M Brara, Steve J Jacobsen, Brandon E Beaber, Lina S Sy, Chun Chao, Rulin Hechter, Hung Fu Tseng

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52), Neurotoxic : CK(1251) : AC(224)

Depressive Disorder (AC 1) (CK 10)

Typhoid but not placebo injection produced an inflammatory response indexed by increased circulating interleukin-6 and significant mood reduction at 3 hours.

Pubmed Data : Biol Psychiatry. 2009 Sep 1 ;66(5):407-14. Epub 2009 May 7. PMID: [19423079](#)

Article Published Date : Aug 31, 2009

Authors : Neil A Harrison, Lena Brydon, Cicely Walker, Marcus A Gray, Andrew Steptoe, Hugo D Critchley

Study Type : Human Study

Additional Links

Diseases : Depressive Disorder : CK(426) : AC(60), Inflammation : CK(3240) : AC(882), Mood Disorders : CK(156) : AC(19)

Additional Keywords : Cytokines : CK(33) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Dermatomyositis (AC 3) (CK 7)

Hepatitis B vaccine associated with dermatomyositis has been reported.

Pubmed Data : Rheumatol Int. 2008 Apr;28(6):609-12. Epub 2007 Nov 23. PMID: [18034245](#)

Article Published Date : Apr 01, 2008

Authors : Arie Altman, Martine Szyper-Kravitz, Yehuda Shoenfeld

Study Type : Human: Case Report

Additional Links

Diseases : Dermatomyositis : CK(47) : AC(10), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.

Pubmed Data : J Neurol Sci. 2010 May 15;292(1-2):1-4. Epub 2010 Mar 7. PMID: [20207367](#)

Article Published Date : May 15, 2010

Authors : Joerg-Patrick Stübgen

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Myasthenia Gravis : CK(82) : AC(14), Neuromuscular Diseases : CK(16) : AC(4), Neuropathies : CK(600) : AC(119), Polyarteritis Nodosa : CK(1) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

This describes four cases of auto-immune reactions after tetanus vaccination.

Pubmed Data : Immunol Res. 2016 Jul 19. Epub 2016 Jul 19. PMID: [27435706](#)

Article Published Date : Jul 18, 2016

Authors : N Ruhrman-Shahar, J Torres-Ruiz, P Rotman-Pikielny, Y Levy

Study Type : Human: Case Report

Additional Links

Diseases : Antiphospholipid Syndrome : CK(3) : AC(1), Autoimmune Diseases : CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Diabetes Mellitus: Type 1 : CK(1130) : AC(301), Systemic Lupus Erythematosus : CK(466) : AC(67)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: Tetanus : CK(74) : AC(12)

Developmental Disorder: Children (AC 1) (CK 10)

This study provides new evidence to confirm a significant relationship between exposure to thimerosal and increased diagnosis for delays in development.

Pubmed Data : J Epidemiol Glob Health. 2015 Jul 9. Epub 2015 Jul 9. PMID: [26166425](#)

Article Published Date : Jul 08, 2015

Authors : David A Geier, Janet K Kern, Brian S Hooker, Paul G King, Lisa K Sykes, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Developmental Disorder: Children : CK(71) : AC(8)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Problem Substances : Thimerosal : CK(757) : AC(85)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

DiGeorge Syndrome (AC 1) (CK 3)

A post vaccine case report involving an adverse event and the presence of a microdeletion of chromosome 22 linked to the DiGeorge syndrome.

Pubmed Data : Vaccine. 2014 Sep 29 ;32(43):5552-4. Epub 2014 Aug 30. PMID: [25171844](#)

Article Published Date : Sep 28, 2014

Authors : Mariella Valenzise, Antonio Cascio, Malgorzata Wasniewska, Giuseppina Zirilli, Maria Ausilia Catena, Stefania Arasi

Study Type : Human: Case Report

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), DiGeorge Syndrome : CK(3) : AC(1), Encephalitis : CK(31) : AC(8), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Reaction : CK(13) : AC(2), Chromosome : CK(16) : AC(4), Genomic Variation : CK(143) : AC(18), Modified Viral Antigens : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Diabetes Mellitus: Type 1 (AC 4) (CK 17)

Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed.

Pubmed Data : Diabet Med. 2011 Jul 22. Epub 2011 Jul 22. PMID: [21781156](#)

Article Published Date : Jul 22, 2011

Authors : H Yasuda, M Nagata, H Moriyama, H Kobayashi, T Akisaki, H Ueda, K Hara, K Yokono

Study Type : Human: Case Report

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Diabetes Mellitus: Type 1 : CK(1130) : AC(301), Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Distinct rises in the incidence of T1DM occurred 2-4 years following the introduction of the MMR and pertussis vaccines.

Pubmed Data : J Pediatr Endocrinol Metab. 2003 Apr-May;16(4):495-508. PMID: [12793601](#)

Article Published Date : Mar 31, 2003

Authors : J B Classen, D C Classen

Study Type : Review

Additional Links

Diseases : Diabetes Mellitus: Type 1 : CK(1130) : AC(301)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: BCG (Tuberculosis) : CK(33) : AC(4), Vaccination: Haemophilus Influenzae : CK(25) : AC(4), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Pertussis : CK(148) : AC(25)

Exposure to HiB immunization is associated with an increased risk of insulin dependent diabetes.

Pubmed Data : Autoimmunity. 2002 Jul ;35(4):247-53. PMID: [12482192](#)

Article Published Date : Jun 30, 2002

Authors : John Barthelow Classen, David C Classen

Study Type : Animal Study, Human Study

Additional Links

Diseases : Diabetes Mellitus: Type 1 : CK(1130) : AC(301)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: Haemophilus Influenzae : CK(25) : AC(4)

This describes four cases of auto-immune reactions after tetanus vaccination.

Pubmed Data : Immunol Res. 2016 Jul 19. Epub 2016 Jul 19. PMID: [27435706](#)

Article Published Date : Jul 18, 2016

Authors : N Ruhrman-Shahar, J Torres-Ruiz, P Rotman-Pikielny, Y Levy

Study Type : Human: Case Report

Additional Links

Diseases : Antiphospholipid Syndrome : CK(3) : AC(1) , Autoimmune Diseases : CK(6629) : AC(1128) , Dermatomyositis : CK(47) : AC(10) , Diabetes Mellitus: Type 1 : CK(1130) : AC(301) , Systemic Lupus Erythematosus : CK(466) : AC(67)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: Tetanus : CK(74) : AC(12)

Diabetes Mellitus: Type 2 (AC 1) (CK 10)

Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.

Pubmed Data : J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: [20964738](#)

Article Published Date : Sep 01, 2010

Authors : Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

Study Type : Human Study

Additional Links

Diseases : C-Reactive Protein : CK(1852) : AC(174) , Cardiovascular Diseases : CK(7342) : AC(916) , Diabetes Mellitus: Type 2 : CK(3572) : AC(624) , Influenza A : CK(387) : AC(101) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Pharmacological Actions : Interleukin-6 upregulation : CK(26) : AC(7)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Diarrhea (AC 1) (CK 10)

Undernutrition as an underlying cause of child deaths associated with diarrhea, pneumonia, malaria, and

measles.

Pubmed Data : Am J Clin Nutr. 2004 Jul ;80(1):193-8. PMID: [15213048](#)

Article Published Date : Jun 30, 2004

Authors : Laura E Caulfield, Mercedes de Onis, Monika Blössner, Robert E Black

Study Type : Human Study

Additional Links

Diseases : [Diarrhea : CK\(612\) : AC\(83\)](#), [Malaria : CK\(145\) : AC\(58\)](#), [Measles : CK\(291\) : AC\(33\)](#), [Pneumonia : CK\(409\) : AC\(55\)](#)

Additional Keywords : [Undernourishment And Susceptibility To Infectious Disease : CK\(10\) : AC\(1\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#)

Dravet syndrome (AC 1) (CK 10)

[Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible individuals.](#)

Pubmed Data : Cytotechnology. 2002 Nov;40(1-3):139-49. PMID: [20447868](#)

Article Published Date : Nov 01, 2002

Authors : Anne M McIntosh, Jacinta McMahon, Leanne M Dibbens, Xenia Iona, John C Mulley, Ingrid E Scheffer, Samuel F Berkovic

Study Type : Human Study

Additional Links

Diseases : [Dravet syndrome : CK\(40\) : AC\(4\)](#), [Encephalitis : CK\(31\) : AC\(8\)](#), [Vaccine-induced Toxicity : CK\(1325\) : AC\(194\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#), [Vaccination: Pertussis : CK\(148\) : AC\(25\)](#)

Dysautonomia (AC 1) (CK 3)

[Severe somatoform and dysautonomic syndromes after](#)

HPV vaccination: case series and review of literature.

Pubmed Data : Immunol Res. 2016 Aug 9. Epub 2016 Aug 9. PMID: [27503625](#)

Article Published Date : Aug 08, 2016

Authors : Beniamino Palmieri, Dimitri Poddighe, Maria Vadalà, Carmen Laurino, Carla Carnovale, Emilio Clementi

Study Type : Human: Case Report

Additional Links

Diseases : Dysautonomia : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Ear Infection (AC 3) (CK 21)

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.

Pubmed Data : Ann Epidemiol. 2001 Jan;11(1):13-21. PMID: [11164115](#)

Article Published Date : Jan 01, 2001

Authors : M A Fisher, S A Eklund, S A James, X Lin

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Juvenile Chronic : CK(10) : AC(1), Arthritis: Juvenile Idiopathic : CK(20) : AC(2), Arthritis: Juvenile Rheumatoid : CK(29) : AC(5), Ear Infection : CK(306) : AC(42), Pharyngeal Diseases : CK(20) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Pneumococcal conjugate vaccine is not effective to prevent ear infections in previously unvaccinated toddlers and children with a history of recurrent ear infections.

Pubmed Data : Lancet. 2003 Jun 28;361(9376):2189-95. PMID: [12842372](#)

Article Published Date : Jun 28, 2003

Authors : Reinier Veenhoven, Debby Bogaert, Cuno Uiterwaal, Carole Brouwer, Herma Kiezebrink, Jacob Bruin, Ed IJzerman, Peter Hermans, Ronald de Groot, Ben Zegers, Wietse Kuis, Ger Rijkers, Anne Schilder, Elisabeth Sanders

Study Type : Human Study

Additional Links

Diseases : Ear Infection : CK(306) : AC(42) , Pneumococcal Infections : CK(52) : AC(12)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pneumococcal : CK(71) : AC(8)

Review: based on currently available research pneumoccal vaccination should not be recommended for large scale use in ear infection prone populations.

Pubmed Data : Cochrane Database Syst Rev. 2002(2):CD001480. PMID: [12076412](#)

Article Published Date : Jan 01, 2002

Authors : M Straetemans, E A Sanders, R H Veenhoven, A G Schilder, R A Damoiseaux, G A Zielhuis

Study Type : Review

Additional Links

Diseases : Ear Infection : CK(306) : AC(42) , Pneumococcal Infections : CK(52) : AC(12)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pneumococcal : CK(71) : AC(8)

Elderly: Age Specific Diseases (AC 2) (CK 40)

Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia.

Pubmed Data : Cochrane Database Syst Rev. 2010(2):CD005187. Epub 2010 Feb 17. PMID: [20166073](#)

Article Published Date : Jan 01, 2010

Authors : Roger E Thomas, Tom Jefferson, Toby J Lasserson

Study Type : Meta Analysis

Additional Links

Diseases : Elderly: Age Specific Diseases : CK(442) : AC(38) , Influenza : CK(789) : AC(123) , Pneumonia : CK(409) : AC(55)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

There is a lack of evidence for the effectiveness of

influenza vaccines in adults aged 65 years or older.

Pubmed Data : Lancet Infect Dis. 2011 Oct 25. Epub 2011 Oct 25. PMID: [22032844](#)

Article Published Date : Oct 25, 2011

Authors : Michael T Osterholm, Nicholas S Kelley, Alfred Sommer, Edward A Belongia

Study Type : Meta Analysis

Additional Links

Diseases : Elderly: Age Specific Diseases : CK(442) : AC(38) , Influenza : CK(789) : AC(123)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Elevated CRP (AC 2) (CK 20)

C-reactive protein (CRP) elevation occur in infants without sepsis after hepatitis B vaccination.

Pubmed Data : Eur J Pediatr. 2013 Jan 29. Epub 2013 Jan 29. PMID: [23358708](#)

Article Published Date : Jan 28, 2013

Authors : Istemi Han Celik, Gamze Demirel, Fuat Emre Canpolat, Omer Erdeve, Ugur Dilmen

Study Type : Human Study

Additional Links

Diseases : Elevated CRP : CK(82) : AC(9)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.

Pubmed Data : Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: [21945263](#)

Article Published Date : Sep 20, 2011

Authors : Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

Study Type : Human Study

Additional Links

Diseases : CRP : CK(30) : AC(3) , Elevated CRP : CK(82) : AC(9) , Pre-Eclampsia : CK(299) : AC(33) ,

Pregnancy: Vaccination : CK(92) : AC(16) , Pregnancy Complications : CK(192) : AC(23) , Preterm Birth:

Prevention : CK(111) : AC(9) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions : Interleukin-6 up-regulation : CK(14) : AC(3) , Tumor necrosis factor α (TNF α) up-regulation : CK(42) : AC(4)

Empyema (AC 1) (CK 10)

There has been a five-fold increase in pediatric parapneumonic empyema since introduction of pneumococcal conjugate vaccine.

Pubmed Data : Pediatr Infect Dis J. 2008 Nov;27(11):1030-2. PMID: [18845981](#)

Article Published Date : Nov 01, 2008

Authors : Debra J Hendrickson, Dean A Blumberg, Jesse P Joad, Sanjay Jhawar, Ruth J McDonald

Study Type : Human Study

Additional Links

Diseases : Childhood Infections : CK(275) : AC(29) , Empyema : CK(10) : AC(1) , Parapneumonic Empyema : CK(10) : AC(1) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Pneumococcal : CK(71) : AC(8)

Encephalitis (AC 3) (CK 23)

A post vaccine case report involving an adverse event and the presence of a microdeletion of chromosome 22 linked to the DiGeorge syndrome.

Pubmed Data : Vaccine. 2014 Sep 29 ;32(43):5552-4. Epub 2014 Aug 30. PMID: [25171844](#)

Article Published Date : Sep 28, 2014

Authors : Mariella Valenzise, Antonio Cascio, Malgorzata Wasniewska, Giuseppina Zirilli, Maria Ausilia Catena, Stefania Arasi

Study Type : Human: Case Report

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332) , DiGeorge Syndrome : CK(3) : AC(1) ,

Encephalitis : CK(31) : AC(8), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Reaction : CK(13) : AC(2), Chromosome : CK(16) : AC(4), Genomic Variation : CK(143) : AC(18), Modified Viral Antigens : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible individuals.

Pubmed Data : Cytotechnology. 2002 Nov;40(1-3):139-49. PMID: [20447868](#)

Article Published Date : Nov 01, 2002

Authors : Anne M McIntosh, Jacinta McMahon, Leanne M Dibbens, Xenia Iona, John C Mulley, Ingrid E Scheffer, Samuel F Berkovic

Study Type : Human Study

Additional Links

Diseases : Dravet syndrome : CK(40) : AC(4), Encephalitis : CK(31) : AC(8), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Pertussis : CK(148) : AC(25)

Varicella-zoster vaccine has been linked to herpes zoster ophthalmicus and encephalitis as possible, though rare side effects.

Pubmed Data : Pediatrics. 2010 Apr;125(4):e969-72. Epub 2010 Mar 1. PMID: [20194287](#)

Article Published Date : Apr 01, 2010

Authors : Giorgos Chouliaras, Vana Spoulou, Mark Quinlivan, Judith Breuer, Maria Theodoridou

Study Type : Human Study

Additional Links

Diseases : Encephalitis : CK(31) : AC(8), Herpes: Ocular : CK(12) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Encephalitis: Japanese (AC 1) (CK 10)

Neutralizing antibodies, elicited by the mouse brain-derived and formalin-inactivated JEV Nakayama vaccine

among a limited number of vaccinees, have reduced neutralizing capacity against circulating GI virus.

Pubmed Data : PLoS Negl Trop Dis. 2012 Sep ;6(9):e1834. Epub 2012 Sep 27. PMID: [23029592](#)

Article Published Date : Aug 31, 2012

Authors : Yi-Chin Fan, Jo-Mei Chen, Hsien-Chung Chiu, Yi-Ying Chen, Jen-Wei Lin, Chen-Chang Shih, Chih-Ming Chen, Chao-Chin Chang, Gwong-Jen J Chang, Shyan-Song Chiou

Study Type : Human Study

Additional Links

Diseases : Encephalitis: Japanese : CK(17) : AC(8)

Additional Keywords : Mouse Brain-derived Vaccines : CK(10) : AC(1), Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Japanese Encephalitis Virus Vaccine : CK(10) : AC(1)

Encephalomyelitis (AC 1) (CK 1)

Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination.

Pubmed Data : J Clin Neurosci. 2008 Dec;15(12):1315-22. Epub 2008 Oct 30. PMID: [18976924](#)

Article Published Date : Dec 01, 2008

Authors : William Huynh, Dennis J Cordato, Elias Kehdi, Lynette T Masters, Chris Dedousis

Study Type : Commentary

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Encephalomyelitis : CK(24) : AC(15), Neuromyelitis Optica : CK(22) : AC(5), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Encephalopathies (AC 1) (CK 1)

The use of post-mortem tissues in the production of biologicals, vaccines and feedstuffs may be contributing

to transmissible encephalopathies.

Pubmed Data : Dev Biol Stand. 1996;88:237-41. PMID: [9119144](#)

Article Published Date : Jan 01, 1996

Authors : M M Robinson

Study Type : Review

Additional Links

Diseases : [Encephalopathies](#) : CK(14) : AC(6)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Encephalopathy: Acute Necrotizing (AC 2) (CK 20)

Acute necrotizing encephalopathy secondary to diphtheria, tetanus toxoid and whole-cell pertussis vaccination has been reported.

Pubmed Data : Pediatr Radiol. 2010 Jul;40(7):1281-4. Epub 2010 Jan 30. PMID: [20119724](#)

Article Published Date : Jul 01, 2010

Authors : Hale Aydin, Esra Ozgul, Ahmet Muhtesem Agildere

Study Type : Human Study

Additional Links

Diseases : [Encephalopathy: Acute Necrotizing](#) : CK(20) : AC(2) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Diphtheria-Pertussis-Tetanus](#) : CK(315) : AC(36)

Serious adverse events associated with whole cell pertussis vaccine, e.g. sudden infant death syndrome and encephalopathy, may have occurred in metabolically vulnerable children.

Pubmed Data : Pharmazie. 2007 Apr;62(4):299-304. PMID: [19660877](#)

Article Published Date : Apr 01, 2007

Authors : Kumanan Wilson, Beth Potter, Douglas Manuel, Jennifer Keelan, Pranesh Chakraborty

Study Type : Human Study

Additional Links

Diseases : Encephalopathy: Acute Necrotizing : CK(20) : AC(2) , Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pertussis : CK(148) : AC(25)

Endogenous avian retrovirus (EAV-0) (AC 1) (CK 1)

Live attenuated virus Vaccines produced on chicken-derived cells contain low levels of particle-associated reverse transcriptase (RT).

Pubmed Data : J Virol. 1997 Apr ;71(4):3005-12. PMID: [9060660](#)

Article Published Date : Mar 31, 1997

Authors : R N Weissmahr, J Schüpbach, J Böni

Study Type : Review

Additional Links

Diseases : Endogenous avian retrovirus (EAV-0) : CK(1) : AC(1) , Retroviruses : CK(7) : AC(1)

Additional Keywords : Cross-Species Infection : CK(4) : AC(3) , Endogenous Retroviruses : CK(53) : AC(20), Live Attenuated Vaccines : CK(5) : AC(2) , Retroviruses : CK(11) : AC(11)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31)

Problem Substances : Endogenous avian retrovirus (EAV-0) : CK(3) : AC(1)

Epilepsy (AC 1) (CK 3)

A case of lethal status epilepticus and lymphocytic pneumonitis has been reported.

Pubmed Data : Eur J Intern Med. 2008 Jul;19(5):383-5. Epub 2007 Dec 4. PMID: [18549949](#)

Article Published Date : Jul 01, 2008

Authors : Jozélio Freire de Carvalho, Yehuda Shoenfeld

Study Type : Human: Case Report

Additional Links

Diseases : Epilepsy : CK(255) : AC(66) , Pneumonitis : CK(18) : AC(4)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Epstein-Barr Virus Infections (AC 1) (CK 1)

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin.

Pubmed Data : Med Hypotheses. 2008;70(2):346-8. Epub 2007 Jul 13. PMID: [17630224](#)

Article Published Date : Jan 01, 2008

Authors : Burton A Waisbren

Study Type : Commentary

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autoimmune Diseases : CK(6629) : AC(1128) , Demyelinating Diseases : CK(1671) : AC(332) , Epstein-Barr Virus Infections : CK(132) : AC(47) , Hepatitis B : CK(241) : AC(46)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Erythema (AC 2) (CK 20)

Erythema multiforme has been reported as a possible side effect of vaccination for human papillomavirus.

Pubmed Data : Dermatology. 2010;220(1):60-2. Epub 2009 Nov 3. PMID: [19887766](#)

Article Published Date : Jan 01, 2010

Authors : A C Katoulis, A Liakou, E Bozi, M Theodorakis, A Alevizou, A Zafeiraki, M Mistidou, N G Stavrianeas

Study Type : Human Study

Additional Links

Diseases : Erythema : CK(74) : AC(9)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Vaccination for DPT, Hepatitis B and influenza has been reported to be associated with the development of erythema multiforme in an infant.

Pubmed Data : Indian J Dermatol Venereol Leprol. 2008 May-Jun;74(3):251-3. PMID: [18583795](#)

Article Published Date : May 01, 2008

Authors : Sarvjit Kaur, Sanjeev Handa

Study Type : Human Study

Additional Links

Diseases : Erythema : CK(74) : AC(9) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Influenza : CK(435) : AC(50)

Excitotoxicity (AC 1) (CK 1)

Autism spectrum disorders are associated with vaccination, heavy metal toxicity and excitotoxicity.

Pubmed Data : Altern Ther Health Med. 2008 Nov-Dec;14(6):46-53. PMID: [19043938](#)

Article Published Date : Nov 01, 2008

Authors : Russell L Blaylock

Study Type : Commentary

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159) , Excitotoxicity : CK(58) : AC(35), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Eye Diseases (AC 1) (CK 1)

Adverse ocular effects of vaccination have been reported.

Pubmed Data : Ophthalmologe. 2016 Jul ;113(7):615-22. PMID: [27357302](#)

Article Published Date : Jun 30, 2016

Authors : T Ness, H Hengel

Study Type : Commentary

Additional Links

Diseases : [Eye Diseases : CK\(896\) : AC\(170\)](#) , [Uveitis : CK\(79\) : AC\(15\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#)

Febrile Seizures (AC 1) (CK 10)

Combined MMR and varicella live vaccine is associated with higher rates of febrile convulsion than giving the vaccines separately.

Pubmed Data : Vaccine. 2009 Jul 23;27(34):4656-61. Epub 2009 Jun 9. PMID: [19520201](#)

Article Published Date : Jul 23, 2009

Authors : Steven J Jacobsen, Bradley K Ackerson, Lina S Sy, Trung N Tran, Tonia L Jones, Janis F Yao, Fagen Xie, T Craig Cheetham, Patricia Saddier

Study Type : Human Study

Additional Links

Diseases : [Febrile Seizures : CK\(33\) : AC\(5\)](#) , [Vaccine-induced Toxicity : CK\(1325\) : AC\(194\)](#) , [Varicella : CK\(50\) : AC\(5\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#) , [Vaccination: Mumps-Measles-Rubella \(MMR\) : CK\(276\) : AC\(37\)](#) , [Vaccination: Varicella \(Chicken pox\) : CK\(177\) : AC\(22\)](#)

Fever (AC 1) (CK 10)

Breastfeeding is associated with a decreased incidence of fever after immunizations.

Pubmed Data : Pediatrics. 2010 Jun;125(6):e1448-52. Epub 2010 May 17. PMID: [20478932](#)

Article Published Date : Jun 01, 2010

Authors : Alfredo Pisacane, Paola Continisio, Orsola Palma, Stefania Cataldo, Fabiola De Michele, Ugo Vairo

Study Type : Human Study

Additional Links

Substances : Breast Milk : CK(438) : AC(50)

Diseases : Fever : CK(90) : AC(17) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Therapeutic Actions : Breastfeeding : CK(803) : AC(85)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Fibromyalgia (AC 1) (CK 10)

This study suggests that in some cases chronic fatigue and fibromyalgia can be temporally related to immunization, as part of ASIA syndrome.

Pubmed Data : Immunol Res. 2014 Dec ;60(2-3):376-83. PMID: [25427994](#)

Article Published Date : Nov 30, 2014

Authors : Nancy Agmon-Levin, Yaron Zafrir, Shaye Kivity, Ari Balofsky, Howard Amital, Yehuda Shoenfeld

Study Type : Human Study

Additional Links

Diseases : Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4) , Chronic Fatigue Syndrome : CK(275) : AC(40) , Fibromyalgia : CK(619) : AC(67)

Additional Keywords : Autoantibodies : CK(30) : AC(3) , Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Gastroenteritis (AC 1) (CK 10)

Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception.

Pubmed Data : Pediatrics. 2004 Apr;113(4):e353-9. PMID: [15060267](#)

Article Published Date : Apr 01, 2004

Authors : Penina Haber, Robert T Chen, Lynn R Zanardi, Gina T Mootrey, Roseanne English, M Miles Braun,

Study Type : Human Study

Additional Links

Diseases : Gastroenteritis : CK(107) : AC(15), Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Rotavirus : CK(33) : AC(6)

Gastrointestinal Diseases (AC 1) (CK 10)

Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities.

Pubmed Data : Hepatogastroenterology. 2002 Nov-Dec;49(48):1571-5. PMID: [12397738](#)

Article Published Date : Nov 01, 2002

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Gastrointestinal Diseases : CK(76) : AC(24), Hepatitis : CK(66) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Glomerulonephritis (AC 2) (CK 13)

A case of influenza vaccine induced have necrotizing glomerulonephritis in decursu vasculitis has been reported.

Pubmed Data : Pol Merkur Lekarski. 2005 Jul;19(109):75-7. PMID: [16194032](#)

Article Published Date : Jul 01, 2005

Authors : Lidia Hyla-Klekot, Grazyna Kucharska, Witold Cieslak

Study Type : Human: Case Report

Additional Links

Diseases : Glomerulonephritis : CK(33) : AC(10), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Pubmed Data : Clin Chim Acta. 2006 Feb;364(1-2):196-204. Epub 2005 Aug 10. PMID: [15638050](#)

Article Published Date : Feb 01, 2006

Authors : M R Geier, D A Geier

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Rheumatoid : CK(307) : AC(55), Autoimmune Diseases : CK(6629) : AC(1128), Glomerulonephritis : CK(33) : AC(10), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), Myelitis : CK(42) : AC(6), Optic Neuritis : CK(39) : AC(6), Pancytopenia : CK(12) : AC(2), Systemic Lupus Erythematosus : CK(466) : AC(67), Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Glyphosate Toxicity (AC 1) (CK 3)

Measles vaccine and glyphosate-induced parkinsonism

has been reported.

Pubmed Data : Arq Neuropsiquiatr. 2003 Jun ;61(2B):381-6. Epub 2003 Jul 28. PMID: [12894271](#)

Article Published Date : Jun 01, 2003

Authors : Maria do Desterro Leiros da Costa, Lílian Regina Gonçalves, Egberto Reis Barbosa, Luiz Alberto Bacheschi

Study Type : Human: Case Report

Additional Links

Diseases : [Glyphosate Toxicity](#) : CK(76) : AC(30) , [Parkinsonian Disorders](#) : CK(25) : AC(13) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Measles](#) : CK(252) : AC(31)

Problem Substances : [Glyphosate](#) : CK(502) : AC(160)

Adverse Pharmacological Actions : [Neurotoxic](#) : CK(1251) : AC(224)

Guillain Barre Syndrome: Miller Fisher Variant (AC 2) (CK 13)

Influenza vaccination has been reported to cause miller fisher syndrome.

Pubmed Data : Arch Neurol. 2011 Oct ;68(10):1327-9. PMID: [21987549](#)

Article Published Date : Oct 01, 2011

Authors : Ashkan Shoamanesh, Kristine Chapman, Anthony Traboulsee

Study Type : Human: Case Report

Additional Links

Diseases : [Guillain Barre Syndrome: Miller Fisher Variant](#) : CK(13) : AC(2) , [Miller Fisher Syndrome](#) : CK(3) : AC(1)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Influenza](#) : CK(435) : AC(50)

Influenza vaccination may increase the risk of Guillain-Barré Syndrome.

Pubmed Data : Kidney Int. 2008 Dec;74(11):1461-7. Epub 2008 Sep 24. PMID: [18592444](#)

Article Published Date : Dec 01, 2008

Authors : C I Blanco-Marchite, L Buznego-Suárez, M A Fagúndez-Vargas, M Méndez-Llatas, P Pozo-Martos

Study Type : Human Study

Additional Links

Diseases : [Guillain Barre Syndrome: Miller Fisher Variant](#) : CK(13) : AC(2) , [Influenza](#) : CK(789) : AC(123), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Guillain-Barre Syndrome (AC 12) (CK 79)

"Chart-confirmed guillain-barre syndrome after 2009 H1N1 influenza vaccination among the Medicare population, 2009-2010."

Pubmed Data : Am J Epidemiol. 2013 Sep 15 ;178(6):962-73. Epub 2013 May 6. PMID: [23652165](#)

Article Published Date : Sep 14, 2013

Authors : Laura L Polakowski, Sukhminder K Sandhu, David B Martin, Robert Ball, Thomas E Macurdy, Riley L Franks, Jonathan M Gibbs, Garner F Kropp, Armen Avagyan, Jeffrey A Kelman, Christopher M Worrall, Guoying Sun, Rebecca E Kliman, Dale R Burwen

Study Type : Human Study

Additional Links

Diseases : [Guillain-Barre Syndrome](#) : CK(110) : AC(18) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Influenza](#) : CK(435) : AC(50)

"Risk of Guillain-Barré syndrome after 2010-2011 influenza vaccination."

Pubmed Data : Eur J Epidemiol. 2013 May ;28(5):433-44. Epub 2013 Mar 31. PMID: [23543123](#)

Article Published Date : Apr 30, 2013

Authors : Francesca Galeotti, Marco Massari, Roberto D'Alessandro, Ettore Beghi, Adriano Chiò, Giancarlo Logroscino, Graziella Filippini, Maria Donata Benedetti, Maura Pugliatti, Carmela Santuccio, Roberto Raschetti,

Study Type : Human Study

Additional Links

Diseases : [Guillain-Barre Syndrome](#) : CK(110) : AC(18) , [H1N1 Infection](#) : CK(583) : AC(113)

Anti Therapeutic Actions : [Vaccination: Influenza](#) : CK(435) : AC(50)

Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.

Pubmed Data : Ann Pharmacother. 2010 Jul-Aug;44(7-8):1330-3. Epub 2010 May 18. PMID: [20484170](#)

Article Published Date : Jul 01, 2010

Authors : Marie-Eve Tremblay, Aurélie Closon, Guy D'Anjou, Jean-François Bussières

Study Type : Human: Case Report

Additional Links

Diseases : Childhood Infections : CK(275) : AC(29) , Guillain-Barre Syndrome : CK(110) : AC(18) , Influenza : CK(789) : AC(123) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Guillain-Barré syndrome following hepatitis B vaccination has been reported.

Pubmed Data : Clin Exp Rheumatol. 2004 Nov-Dec;22(6):767-70. PMID: [15638054](#)

Article Published Date : Nov 01, 2004

Authors : M Khamaisi, Y Shoenfeld, H Orbach

Study Type : Human: Case Report

Additional Links

Diseases : Guillain-Barre Syndrome : CK(110) : AC(18)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Pubmed Data : Clin Chim Acta. 2006 Feb;364(1-2):196-204. Epub 2005 Aug 10. PMID: [15638050](#)

Article Published Date : Feb 01, 2006

Authors : M R Geier, D A Geier

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312) , Arthritis: Rheumatoid : CK(307) : AC(55) , Autoimmune Diseases : CK(6629) : AC(1128) , Glomerulonephritis : CK(33) : AC(10) , Guillain-Barre Syndrome : CK(110) : AC(18) , Multiple Sclerosis : CK(964) : AC(184) , Myelitis : CK(42) : AC(6) , Optic Neuritis : CK(39) : AC(6) , Pancytopenia : CK(12) : AC(2) , Systemic Lupus Erythematosus : CK(466) : AC(67) , Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

In the US the highest number of cases of Guillain-Barre syndrome are associated with influenza and hepatitis B vaccines.

Pubmed Data : J Clin Neuromuscul Dis. 2009 Sep;11(1):1-6. PMID: [19730016](#)

Article Published Date : Sep 01, 2009

Authors : Nizar Souayah, Abu Nasar, M Fareed K Suri, Adnan I Qureshi

Study Type : Human Study

Additional Links

Diseases : Guillain-Barre Syndrome : CK(110) : AC(18) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Influenza : CK(435) : AC(50)

Neurological adverse events associated with vaccination.

Pubmed Data : Curr Opin Neurol. 2002 Jun ;15(3):333-8. PMID: [12045734](#)

Article Published Date : May 31, 2002

Authors : Sucheep Piyasirisilp, Thiravat Hemachudha

Study Type : Review

Additional Links

Diseases : Autism : CK(617) : AC(73) , Guillain-Barre Syndrome : CK(110) : AC(18) , Multiple Sclerosis : CK(964) : AC(184), New Variant Creutzfeldt-Jakob Disease : CK(4) : AC(2) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Events : CK(35) : AC(5) , Vaccine Contaminants : CK(11) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78) , Thimerosal : CK(757) : AC(85)

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.

Pubmed Data : J Infect Dis. 2008 Jul 15;198(2):226-33. PMID: [18522505](#)

Article Published Date : Jul 15, 2008

Authors : Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen

Study Type : Human Study

Additional Links

Diseases : Acute Autoimmune Neuropathy : CK(20) : AC(2) , Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18) , Influenza : CK(789) : AC(123) , Swine Flu Associated Virus : CK(182) : AC(40), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Influenza Vaccine : CK(10) : AC(1) , Swine Flu Vaccine : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

Pubmed Data : JAMA. 1994 May 25;271(20):1602-5. PMID: [8182813](#)

Article Published Date : May 25, 1994

Authors : K R Stratton, C J Howe, R B Johnston

Study Type : Review

Additional Links

Diseases : Anaphylaxis : CK(67) : AC(18), Guillain-Barre Syndrome : CK(110) : AC(18), Hepatitis B : CK(241) : AC(46), Neuritis: Brachial Plexus : CK(1) : AC(1), Poliomyelitis : CK(33) : AC(4), Purpura: Thrombocytopenic : CK(231) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Tetanus : CK(74) : AC(12)

There were 69 reports of Guillain-Barré Syndrome (GBS) after Gardasil vaccination that occurred in the United States between 2006 and 2009.

Pubmed Data : Vaccine. 2010 Sep 23. Epub 2010 Sep 23. PMID: [20869467](#)

Article Published Date : Sep 23, 2010

Authors : Nizar Souayah, P A Michas-Martin, Abu Nasar, Nataliya Krivitskaya, Hussam A Yacoub, Hafiz Khan, Adnan I Qureshi

Study Type : Human Study

Additional Links

Diseases : Guillain-Barre Syndrome : CK(110) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Pubmed Data : Discov Med. 2010 Feb;9(45):90-7. PMID: [20193633](#)

Article Published Date : Feb 01, 2010

Authors : Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18), Human Papillomavirus (HPV) : CK(212) : AC(35), Inflammatory Myopathy : CK(31) : AC(4), Macrophagic myofasciitis : CK(36) : AC(7), Multiple Sclerosis : CK(964) : AC(184), Rheumatoid

Arthritis : CK(706) : AC(117), Systemic Lupus Erythematosus : CK(466) : AC(67), Vaccine-induced Toxicity : CK(1325) : AC(194), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Haemophilus Influenzae : CK(25) : AC(4), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: HPV (Gardasil) : CK(150) : AC(22), Vaccination: Influenza : CK(435) : AC(50), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Rabies : CK(4) : AC(3), Vaccination: Rotavirus : CK(33) : AC(6), Vaccination: Tetanus : CK(74) : AC(12), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Gulf War Syndrome (AC 2) (CK 20)

Symptomatic Gulf War Syndrome is strongly associated with the presence of autoantibodies to squalene, an adjuvant used in vaccines.

Pubmed Data : Exp Mol Pathol. 2000 Feb;68(1):55-64. PMID: [10640454](#)

Article Published Date : Feb 01, 2000

Authors : P B Asa, Y Cao, R F Garry

Study Type : Human Study

Additional Links

Diseases : Gulf War Syndrome : CK(43) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Anthrax : CK(62) : AC(8)

The vaccine adjuvant squalene in anthrax vaccines given to soldiers in the Gulf War resulted in the formation of antibodies to squalene which are associated with Gulf War Syndrome.

Pubmed Data : Neuropharmacology. 2011 Feb-Mar;60(2-3):252-8. Epub 2010 Sep 22. PMID: [12127050](#)

Article Published Date : Feb 01, 2011

Authors : Pamela B Asa, Russell B Wilson, Robert F Garry

Study Type : Human Study

Additional Links

Diseases : Anthrax : CK(47) : AC(9), Gulf War Syndrome : CK(43) : AC(6)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Anthrax : CK(62) :

H1N1 Infection (AC 6) (CK 51)

"Risk of Guillain-Barré syndrome after 2010-2011 influenza vaccination."

Pubmed Data : Eur J Epidemiol. 2013 May ;28(5):433-44. Epub 2013 Mar 31. PMID: [23543123](#)

Article Published Date : Apr 30, 2013

Authors : Francesca Galeotti, Marco Massari, Roberto D'Alessandro, Ettore Beghi, Adriano Chiò, Giancarlo Logroscino, Graziella Filippini, Maria Donata Benedetti, Maura Pugliatti, Carmela Santuccio, Roberto Raschetti,

Study Type : Human Study

Additional Links

Diseases : Guillain-Barre Syndrome : CK(110) : AC(18) , H1N1 Infection : CK(583) : AC(113)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Prior receipt of seasonal flu vaccine (2008-09)was associated with increased risk of medically attended pandemic H1N1 illness (2008-09).

Pubmed Data : PLoS Med. 2010;7(4):e1000258. Epub 2010 Apr 6. PMID: [20386731](#)

Article Published Date : Jan 01, 2010

Authors : Danuta M Skowronski, Gaston De Serres, Natasha S Crowcroft, Naveed Z Janjua, Nicole Boulianne, Travis S Hottes, Laura C Rosella, James A Dickinson, Rodica Gilca, Pam Sethi, Najwa Ouhoumane, Donald J Willison, Isabelle Rouleau, Martin Petric, Kevin Fonseca, Steven J Drews, Anuradha Rebbapragada, Hugues Charest, Marie-Eve Hamelin, Guy Boivin, Jennifer L Gardy, Yan Li, Trijntje L Kwindt, David M Patrick, Robert C Brunham,

Study Type : Human Study

Additional Links

Diseases : H1N1 Infection : CK(583) : AC(113)

Additional Keywords : Immunosuppressive Flu Vaccines : CK(20) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Seasonal influenza vaccine (2008-2009) is associated with

an increased risk of influenza-like illness from pandemic H1N1 infection.

Pubmed Data : Clin Infect Dis. 2010 Nov 1;51(9):1017-1027. PMID: [20887210](#)

Article Published Date : Nov 01, 2010

Authors : Naveed Z Janjua, Danuta M Skowronski, Travis S Hottes, William Osei, Evan Adams, Martin Petric, Suzana Sabaiduc, Tracy Chan, Annie Mak, Marcus Lem, Patrick Tang, David M Patrick, Gaston De Serres, David Bowering

Study Type : Human Study

Additional Links

Diseases : H1N1 Infection : CK(583) : AC(113)

Additional Keywords : Immunosuppressive Flu Vaccines : CK(20) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Vaccination against novel H1N1 may accelerate atherogenesis (heart disease).

Pubmed Data : Med Microbiol Immunol. 2009 Oct 23. PMID: [19851782](#)

Article Published Date : Oct 23, 2009

Authors : Sucharit Bhakdi, Karl Lackner, Hans-Wilhelm Doerr

Study Type : Commentary

Additional Links

Diseases : H1N1 Infection : CK(583) : AC(113) , Swine Flu Associated Virus : CK(182) : AC(40) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Widening influenza vaccine coverage is not correleated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated.

Pubmed Data : Arch Intern Med. 2005 Feb 14;165(3):265-72. PMID: [15710788](#)

Article Published Date : Feb 14, 2005

Authors : Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Miller

Study Type : Human Study

Additional Links

Diseases : H1N1 Infection : CK(583) : AC(113) , Influenza : CK(789) : AC(123) , Influenza A : CK(387) : AC(101) , Swine Flu Associated Virus : CK(182) : AC(40)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

HPV (AC 2) (CK 20)

Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.

Pubmed Data : Mult Scler. 2009 Jan;15(1):116-9. Epub 2008 Sep 19. PMID: [18805844](#)

Article Published Date : Jan 01, 2009

Authors : I Sutton, R Lahoria, Il Tan, P Clouston, Mh Barnett

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), HPV : CK(31) : AC(4), Human Papillomavirus (HPV) : CK(212) : AC(35), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : HPV Vaccine : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardasil) : CK(150) : AC(22)

The way that the effectiveness of HPV vaccines are framed influences whether or not respondents believe they are effective and their acceptance level of vaccine mandate policies.

Pubmed Data : Patient Educ Couns. 2010 Sep 17. Epub 2010 Sep 17. PMID: [20851560](#)

Article Published Date : Sep 17, 2010

Authors : Cabral A Bigman, Joseph N Cappella, Robert C Hornik

Study Type : Human Study

Additional Links

Diseases : HPV : CK(31) : AC(4)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Haemophilus influenzae (AC 1) (CK 10)

A Haemophilus b polysaccharide vaccine resulted in minus 58 percent efficacy in children in Minnesota in August 1985.

Pubmed Data : JAMA. 1988 Sep 9;260(10):1423-8. PMID: [3261350](#)

Article Published Date : Sep 09, 1988

Authors : M T Osterholm, J H Rambeck, K E White, J L Jacobs, L M Pierson, J D Neaton, C W Hedberg, K L MacDonald, D M Granoff

Study Type : Human Study

Additional Links

Diseases : Haemophilus influenzae : CK(44) : AC(8)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Haemophilus Influenzae : CK(25) : AC(4)

Hearing Loss: Sudden (AC 1) (CK 20)

38,787 adverse events including infant death (highest in 1-3 month olds) after vaccination were reported between 1991-1994. (The authors speciously claim SIDS and not vaccination caused these deaths).

Pubmed Data : J Pediatr. 1997 Oct;131(4):529-35. PMID: [9386653](#)

Article Published Date : Oct 01, 1997

Authors : M M Braun, S S Ellenberg

Study Type : Meta Analysis

Additional Links

Diseases : Hearing Loss: Sudden : CK(30) : AC(3) , Infant Mortality : CK(249) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Hemolytic Anemia (AC 2) (CK 23)

Autoimmune hemolytic anemia following MF59-adjuvanted influenza vaccine has been reported.

Pubmed Data : Ann Pharmacother. 2011 Jan;45(1):e8. Epub 2010 Dec 28. PMID: [21189364](#)

Article Published Date : Jan 01, 2011

Authors : Sabrina Montagnani, Marco Tuccori, Giuseppe Lombardo, Arianna Testi, Stefania Mantarro, Elisa Ruggiero, Corrado Blandizzi

Study Type : Human: Case Report

Additional Links

Diseases : [Hemolytic Anemia](#) : CK(34) : AC(6) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Influenza](#) : CK(435) : AC(50)

Vaccination is associated with an increased risk for hemolytic anemia.

Pubmed Data : Vaccine. 2009 Dec 9;27(52):7394-7. Epub 2009 Sep 18. PMID: [19766577](#)

Article Published Date : Dec 09, 2009

Authors : Allison L Naleway, Edward A Belongia, James G Donahue, Burney A Kieke, Jason M Glanz,

Study Type : Meta Analysis

Additional Links

Diseases : [Hemolytic Anemia](#) : CK(34) : AC(6) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Diphtheria-Pertussis-Tetanus](#) : CK(315) : AC(36) , [Vaccination: Hepatitis B](#) : CK(429) : AC(54)

Hemophilus influenzae (AC 1) (CK 3)

Between May 1985 and September 1987, 228 reports of disease due to Haemophilus influenzae in vaccinated children were submitted to the FDA.

Pubmed Data : J Infect Dis. 1988 Aug ;158(2):343-8. PMID: [3261314](#)

Article Published Date : Jul 31, 1988

Authors : E E Hiner, C E Frasch

Study Type : Human: Case Report

Additional Links

Diseases : [Hemophilus influenzae](#) : CK(4) : AC(2)

Additional Keywords : [Vaccine Failure](#) : CK(255) : AC(32)

Henoch-Schoenlein Purpura (AC 1) (CK 10)

The administration of meningitis C vaccination 1 week before the onset of HSP suggests that it can be added to the list of potential triggering agents.

Pubmed Data : Rheumatology (Oxford). 2001 Mar ;40(3):345-6. PMID: [11285387](#)

Article Published Date : Feb 28, 2001

Authors : P A Courtney, R N Patterson, R J Lee

Study Type : Human Study

Additional Links

Diseases : [Henoch-Schoenlein Purpura : CK\(10\) : AC\(1\)](#), [Vaccine-induced Toxicity : CK\(1325\) : AC\(194\)](#)

Additional Keywords : [Increased Risk : CK\(1600\) : AC\(192\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#)

Hepatitis (AC 1) (CK 10)

Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities.

Pubmed Data : Hepatogastroenterology. 2002 Nov-Dec;49(48):1571-5. PMID: [12397738](#)

Article Published Date : Nov 01, 2002

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Gastrointestinal Diseases : CK(76) : AC(24), Hepatitis : CK(66) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B (AC 13) (CK 97)

Acute hepatitis B can occur in those who are vaccinated against it and who are exposed through unprotected sexual contact and iatrogenically.

Pubmed Data : Postgrad Med J. 2006 Mar;82(965):207-10. PMID: [16517803](#)

Article Published Date : Mar 01, 2006

Authors : G Rosner, Y Lurie, L Blendis, Z Halpern, R Oren

Study Type : Human Study

Additional Links

Diseases : Hepatitis B : CK(241) : AC(46), Iatrogenic Disease : CK(62) : AC(7)

Additional Keywords : Iatrogenic Disease : CK(226) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.

Pubmed Data : Autoimmun Rev. 2008 Oct;8(1):52-5. Epub 2008 Aug 24. PMID: [18725327](#)

Article Published Date : Oct 01, 2008

Authors : Agmon-Levin Nancy, Yehuda Shoenfeld

Study Type : Human Study

Additional Links

Diseases : Breast Augmentation Complications : CK(32) : AC(4), Chronic Fatigue Syndrome : CK(275) : AC(40), Hepatitis B : CK(241) : AC(46), Silicone Implant Toxicity : CK(10) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Silicone Implants : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple

sclerosis.

Pubmed Data : Med Hypotheses. 2006;66(1):84-6. Epub 2005 Sep 19. PMID: [16176857](#)

Article Published Date : Jan 01, 2006

Authors : Yannick Comenge, Marc Girard

Study Type : Commentary

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Pubmed Data : Autoimmunity. 2005 Jun;38(4):295-301. PMID: [16206512](#)

Article Published Date : Jun 01, 2005

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Alopecia : CK(146) : AC(32), Arthritis : CK(1964) : AC(312), Hepatitis B : CK(241) : AC(46), Lupus Erythematosus: Systemic : CK(486) : AC(69), Optic Neuritis : CK(39) : AC(6), Rheumatoid Arthritis : CK(706) : AC(117), Thrombocytopenia : CK(234) : AC(26), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination with or without hepatitis B immunoglobulin at birth to babies born of HBsAg-positive mothers prevents overt HBV transmission but may not prevent occult HBV infection in babies: a randomized controlled trial.

Article Published Date : Oct 31, 2013

Authors : C Pande, S K Sarin, S Patra, A Kumar, S Mishra, S Srivastava, K Bhutia, E Gupta, C K Mukhopadhyay, A K Dutta, S S Trivedi

Study Type : Human Study

Additional Links

Diseases : Hepatitis B : CK(241) : AC(46)

Additional Keywords : Occult Hepatitis B : CK(11) : AC(2)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Problem Substances : Hepatitis Viruses : CK(1) : AC(1)

Hepatitis B vaccinations is associated with autoimmune hazards.

Pubmed Data : Autoimmun Rev. 2005 Feb;4(2):96-100. PMID: [15722255](#)

Article Published Date : Feb 01, 2005

Authors : Marc Girard

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Hepatitis B : CK(241) : AC(46), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.

Pubmed Data : Neurology. 2004 Sep 14;63(5):838-42. PMID: [15365133](#)

Article Published Date : Sep 14, 2004

Authors : Miguel A Hernán, Susan S Jick, Michael J Olek, Hershel Jick

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Hepatitis B Vaccine : CK(30) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem.

Pubmed Data : Am J Perinatol. 2009 Aug;26(7):523-7. Epub 2009 Mar 12. PMID: [19283656](#)

Article Published Date : Aug 01, 2009

Authors : José G Dórea, Rejane C Marques, Katiane G Brandão

Study Type : Meta Analysis

Additional Links

Diseases : Hepatitis B : CK(241) : AC(46), Infant Chemical Exposures : CK(175) : AC(25), Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Newborn primates receiving mercury-containing

hepatitis B vaccines exhibit neurodevelopmental delays.

Pubmed Data : J Toxicol Environ Health A. 2010 Jan;73(19):1298-313. PMID: [20711932](#)

Article Published Date : Jan 01, 2010

Authors : Laura Hewitson, Lisa A Houser, Carol Stott, Gene Sackett, Jaime L Tomko, David Atwood, Lisa Blue, E Railey White

Study Type : Animal Study

Additional Links

Diseases : Hepatitis B : CK(241) : AC(46), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17), Vaccination: Hepatitis B : CK(429) : AC(54)

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

Pubmed Data : JAMA. 1994 May 25;271(20):1602-5. PMID: [8182813](#)

Article Published Date : May 25, 1994

Authors : K R Stratton, C J Howe, R B Johnston

Study Type : Review

Additional Links

Diseases : Anaphylaxis : CK(67) : AC(18), Guillain-Barre Syndrome : CK(110) : AC(18), Hepatitis B : CK(241) : AC(46), Neuritis: Brachial Plexus : CK(1) : AC(1), Poliomyelitis : CK(33) : AC(4), Purpura: Thrombocytopenic : CK(231) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) , Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Tetanus : CK(74) : AC(12)

The demyelinating effect of hepatitis B vaccination could be due to the contamination of the vaccine by partial hepatitis B virus polymerase.

Pubmed Data : Med Hypotheses. 2005;65(3):509-20. PMID: [15908138](#)

Article Published Date : Jan 01, 2005

Authors : E Faure

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin.

Pubmed Data : Med Hypotheses. 2008;70(2):346-8. Epub 2007 Jul 13. PMID: [17630224](#)

Article Published Date : Jan 01, 2008

Authors : Burton A Waisbren

Study Type : Commentary

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autoimmune Diseases : CK(6629) : AC(1128) , Demyelinating Diseases : CK(1671) : AC(332) , Epstein-Barr Virus Infections : CK(132) : AC(47) , Hepatitis B : CK(241) : AC(46)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

When polled 5% of nonpediatricians would not use Haemophilus influenzae type b vaccine if they had a child born in 2004.

Pubmed Data : Pediatrics. 2005 Nov;116(5):e623-33. PMID: [16263976](#)

Article Published Date : Nov 01, 2005

Authors : Klara M Posfay-Barbe, Ulrich Heininger, Christoph Aebi, Daniel Desgrandchamps, Bernard Vaudaux, Claire-Anne Siegrist

Study Type : Meta Analysis

Additional Links

Diseases : Hepatitis B : CK(241) : AC(46)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis C (AC 1) (CK 10)

Hepatitis C prevalence in Southern Italy may be due to iatrogenic transmission through the Salk Polio vaccine 1956-1965.

Pubmed Data : J Med Virol. 2003 May;70(1):49-50. PMID: [12629643](#)

Article Published Date : May 01, 2003

Authors : Maurizio Montella, Anna Crispo, Maria Grimaldi, Vincenzo Tridente, Mario Fusco

Study Type : Human Study

Additional Links

Diseases : [Hepatitis C](#) : CK(474) : AC(87) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Herpes Zoster (AC 6) (CK 53)

Between 1995 and 2005 25,306 adverse events were reported from varicella vaccine.

Pubmed Data : J Infect Dis. 2008 Mar 1;197 Suppl 2:S170-7. PMID: [18419393](#)

Article Published Date : Mar 01, 2008

Authors : Sandra S Chaves, Penina Haber, Kimp Walton, Robert P Wise, Hector S Izurieta, D Scott Schmid, Jane F Seward

Study Type : Human Study

Additional Links

Diseases : [Herpes Zoster](#) : CK(473) : AC(36)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Varicella \(Chicken pox\)](#) : CK(177) : AC(22)

Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period.

Pubmed Data : Med J Aust. 2010 Jul 19;193(2):110-3. PMID: [20642419](#)

Article Published Date : Jul 19, 2010

Authors : Mark R Nelson, Helena C Britt, Christopher M Harrison

Study Type : Human Study

Additional Links

Diseases : [Chickenpox](#) : CK(113) : AC(12) , [Herpes Zoster](#) : CK(473) : AC(36) , [Shingles](#) : CK(473) : AC(36) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Additional Keywords : [Chicken Pox \(Varicella\) Shingles \(Herpes Zoster\) Connection](#) : CK(20) : AC(2)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Varicella \(Chicken](#)

Reactivation of Herpes Zoster Keratitis in an Adult After Varicella Zoster Vaccination.

Pubmed Data : Cornea. 2012 Nov 26. Epub 2012 Nov 26. PMID: [23187165](#)

Article Published Date : Nov 25, 2012

Authors : Charles W Hwang, Walter A Steigleman, Erika Saucedo-Sanchez, Sonal S Tuli

Study Type : Human: Case Report

Additional Links

Diseases : Herpes Zoster : CK(473) : AC(36) , Herpes Zoster Keratitis : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: Varicella Zoster (Shingles) : CK(3) : AC(1)

Varicella vaccine has been reported to cause herpes zoster skin lesions and meningitis in a previously healthy boy.

Pubmed Data : J Infect Dis. 2008 Nov 15;198(10):1444-7. PMID: [18826373](#)

Article Published Date : Nov 15, 2008

Authors : Myron J Levin, Roberta L DeBiasi, Vanda Bostik, D Scott Schmid

Study Type : Human Study

Additional Links

Diseases : Herpes Zoster : CK(473) : AC(36) , Meningitis: Viral : CK(20) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Smallpox : CK(71) : AC(8)

Varicella vaccine has been reported to cause chronic, acyclovir-resistant herpes zoster infection in an immunosuppressed child.

Pubmed Data : J Infect Dis. 2003 Oct 1;188(7):954-9. Epub 2003 Sep 26. PMID: [14513413](#)

Article Published Date : Oct 01, 2003

Authors : Myron J Levin, Karen M Dahl, Adriana Weinberg, Roger Giller, Amita Patel, Philip R Krause

Study Type : Human Study

Additional Links

Diseases : Chickenpox : CK(113) : AC(12) , Herpes Zoster : CK(473) : AC(36)

Pharmacological Actions : Antiviral Agents : CK(938) : AC(433)

Additional Keywords : Acyclovir-Resistance : CK(11) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Varicella vaccine has been reported to viral meningitis in an immunocompetent child.

Pubmed Data : Ann Emerg Med. 2009 Jun;53(6):792-5. Epub 2008 Nov 22. PMID: [19028409](#)

Article Published Date : Jun 01, 2009

Authors : Sujit Iyer, Manoj K Mittal, Richard L Hodinka

Study Type : Human Study

Additional Links

Diseases : Chickenpox : CK(113) : AC(12) , Herpes Zoster : CK(473) : AC(36) , Meningitis: Viral : CK(20) : AC(2)

Pharmacological Actions : Antiviral Agents : CK(938) : AC(433)

Additional Keywords : Undefined : CK(14) : AC(3)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Herpes Zoster Keratitis (AC 1) (CK 3)

Reactivation of Herpes Zoster Keratitis in an Adult After Varicella Zoster Vaccination.

Pubmed Data : Cornea. 2012 Nov 26. Epub 2012 Nov 26. PMID: [23187165](#)

Article Published Date : Nov 25, 2012

Authors : Charles W Hwang, Walter A Steigleman, Erika Saucedo-Sanchez, Sonal S Tuli

Study Type : Human: Case Report

Additional Links

Diseases : Herpes Zoster : CK(473) : AC(36) , Herpes Zoster Keratitis : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: Varicella Zoster (Shingles) : CK(3) : AC(1)

Herpes: Ocular (AC 1) (CK 10)

Varicella-zoster vaccine has been linked to herpes zoster ophthalmicus and encephalitis as possible, though rare

side effects.

Pubmed Data : Pediatrics. 2010 Apr;125(4):e969-72. Epub 2010 Mar 1. PMID: [20194287](#)

Article Published Date : Apr 01, 2010

Authors : Giorgos Chouliaras, Vana Spoulou, Mark Quinlivan, Judith Breuer, Maria Theodoridou

Study Type : Human Study

Additional Links

Diseases : Encephalitis : CK(31) : AC(8), Herpes: Ocular : CK(12) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Human Papillomavirus (HPV) (AC 5) (CK 41)

An Italian study found that 61% of women experienced an adverse event after the administration of the first dose of HPV vaccine.

Pubmed Data : Recenti Prog Med. 2013 Jun ;104(6):262-6. PMID: [23801230](#)

Article Published Date : May 31, 2013

Authors : Stefania Spila-Alegiani, Roberto Da Cas, Cristina Giambi, Roberto Raschetti, Stefania Salmaso

Study Type : Human Study

Additional Links

Diseases : Human Papillomavirus (HPV) : CK(212) : AC(35), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Antibody titers for all HPV strains were significantly higher among those with lower vitamin D levels and among younger participants.

Pubmed Data : Hum Vaccin Immunother. 2015 Jul 15:0. Epub 2015 Jul 15. PMID: [26176493](#)

Article Published Date : Jul 14, 2015

Authors : Richard K Zimmerman, Chyongchiou Jeng Lin, Jonathan M Raviotta, Mary Patricia Nowalk

Study Type : Human Study

Additional Links

Substances : Vitamin D : CK(3681) : AC(511)

Diseases : Human Papillomavirus (HPV) : CK(212) : AC(35), Vitamin D Deficiency : CK(1706) : AC(180)

Pharmacological Actions : Immunomodulatory : CK(1287) : AC(358)

Additional Keywords : Antibody Titers : CK(13) : AC(2), Vaccine Efficacy : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

HPV vaccination does not have a therapeutic effect in young women with pre-existing human papillomavirus infection.

Pubmed Data : JAMA. 2007 Aug 15;298(7):743-53. PMID: [17699008](#)

Article Published Date : Aug 15, 2007

Authors : Allan Hildesheim, Rolando Herrero, Sholom Wacholder, Ana C Rodriguez, Diane Solomon, M Concepcion Bratti, John T Schiller, Paula Gonzalez, Gary Dubin, Carolina Porras, Silvia E Jimenez, Douglas R Lowy,

Study Type : Human Study

Additional Links

Diseases : Human Papillomavirus (HPV) : CK(212) : AC(35)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.

Pubmed Data : Mult Scler. 2009 Jan;15(1):116-9. Epub 2008 Sep 19. PMID: [18805844](#)

Article Published Date : Jan 01, 2009

Authors : I Sutton, R Lahoria, Il Tan, P Clouston, Mh Barnett

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), HPV : CK(31) : AC(4), Human Papillomavirus (HPV) : CK(212) : AC(35), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : HPV Vaccine : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Pubmed Data : Discov Med. 2010 Feb;9(45):90-7. PMID: [20193633](#)

Article Published Date : Feb 01, 2010

Authors : Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18), Human Papillomavirus (HPV) : CK(212) : AC(35), Inflammatory Myopathy : CK(31) : AC(4), Macrophagic myofasciitis : CK(36) : AC(7), Multiple Sclerosis : CK(964) : AC(184), Rheumatoid Arthritis : CK(706) : AC(117), Systemic Lupus Erythematosus : CK(466) : AC(67), Vaccine-induced Toxicity : CK(1325) : AC(194), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Haemophilus Influenzae : CK(25) : AC(4), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: HPV (Gardasil) : CK(150) : AC(22), Vaccination: Influenza : CK(435) : AC(50), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Rabies : CK(4) : AC(3), Vaccination: Rotavirus : CK(33) : AC(6), Vaccination: Tetanus : CK(74) : AC(12), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Hydranencephaly (AC 1) (CK 2)

The vaccination of pregnant sheep resulted in abortions and hydranencephaly.

Pubmed Data : Int Immunopharmacol. 2005 Mar;5(3):555-69. PMID: [8825310](#)

Article Published Date : Mar 01, 2005

Authors : M Flanagan, S J Johnson

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30), Hydranencephaly : CK(2) : AC(1), Vaccination: Abortion : CK(40) : AC(13), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

Hypersensitivity (AC 2) (CK 21)

Adjuvants in vaccines may trigger innate cells response by

toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity.

Pubmed Data : Hum Vaccin. 2011 Aug 1 ;7(8). Epub 2011 Aug 1. PMID: [21785282](#)

Article Published Date : Aug 01, 2011

Authors : Salvatore Chirumbolo

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Hypersensitivity : CK(74) : AC(22), Immune Disorders: B-Cell Over-Activity : CK(2) : AC(2), Immune Dysregulation: TH1/TH2 imbalance : CK(171) : AC(45), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Adjuvant : CK(18) : AC(6)

DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.

Pubmed Data : J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: [10714532](#)

Article Published Date : Feb 01, 2000

Authors : E L Hurwitz, H Morgenstern

Study Type : Meta Analysis

Additional Links

Diseases : Allergies : CK(703) : AC(132), Allergies: Childhood : CK(70) : AC(6), Asthma : CK(1157) : AC(190), Hypersensitivity : CK(74) : AC(22), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Tetanus : CK(74) : AC(12)

Hypersensitivity: Immediate (AC 1) (CK 20)

Diphtheria immunisation is weakly associated with an increased risk of asthma by age 7 years.

Pubmed Data : Thorax. 2007 Mar;62(3):270-5. Epub 2006 Nov 7. PMID: [17090571](#)

Article Published Date : Mar 01, 2007

Authors : Kazunori Nakajima, Shyamali C Dharmage, John B Carlin, Cathryn L Wharton, Mark A Jenkins, Graham G Giles, Michael J Abramson, E Haydn Walters, John L Hopper

Study Type : Meta Analysis

Additional Links

Diseases : [Asthma](#) : CK(1157) : AC(190) , [Atopic Disease](#) : CK(101) : AC(10) , [Hypersensitivity: Immediate](#) : CK(143) : AC(14)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Diphtheria](#) : CK(50) : AC(2)

Iatrogenic Disease (AC 1) (CK 10)

Acute hepatitis B can occur in those who are vaccinated against it and who are exposed through unprotected sexual contact and iatrogenically.

Pubmed Data : Postgrad Med J. 2006 Mar;82(965):207-10. PMID: [16517803](#)

Article Published Date : Mar 01, 2006

Authors : G Rosner, Y Lurie, L Blendis, Z Halpern, R Oren

Study Type : Human Study

Additional Links

Diseases : [Hepatitis B](#) : CK(241) : AC(46) , [Iatrogenic Disease](#) : CK(62) : AC(7)

Additional Keywords : [Iatrogenic Disease](#) : CK(226) : AC(26)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Hepatitis B](#) : CK(429) : AC(54)

Immune Disorders: B-Cell Over-Activity (AC 1) (CK 1)

Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE

mediated allergy phenomenon or causing B-cell activation and autoimmunity.

Pubmed Data : Hum Vaccin. 2011 Aug 1 ;7(8). Epub 2011 Aug 1. PMID: [21785282](#)

Article Published Date : Aug 01, 2011

Authors : Salvatore Chirumbolo

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Hypersensitivity : CK(74) : AC(22), Immune Disorders: B-Cell Over-Activity : CK(2) : AC(2), Immune Dysregulation: TH1/TH2 imbalance : CK(171) : AC(45), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Adjuvant : CK(18) : AC(6)

Immune Dysregulation: TH1/TH2 imbalance (AC 3) (CK 21)

Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity.

Pubmed Data : Hum Vaccin. 2011 Aug 1 ;7(8). Epub 2011 Aug 1. PMID: [21785282](#)

Article Published Date : Aug 01, 2011

Authors : Salvatore Chirumbolo

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Hypersensitivity : CK(74) : AC(22), Immune Disorders: B-Cell Over-Activity : CK(2) : AC(2), Immune Dysregulation: TH1/TH2 imbalance : CK(171) : AC(45), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Adjuvant : CK(18) : AC(6)

The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects.

Pubmed Data : J Trop Med. 2011 ;2011:706304. Epub 2011 May 5. PMID: [21760811](#)

Article Published Date : Jan 01, 2011

Authors : Mogens Helweg Claesson

Study Type : Human Study

Additional Links

Diseases : Immune Dysregulation: TH1/TH2 imbalance : CK(171) : AC(45), Infant Mortality : CK(249) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Pertussis : CK(148) : AC(25), Vaccination: Tetanus : CK(74) : AC(12), Vaccinaton: Diphtheria : CK(50) : AC(2)

Problem Substances : Adjuvant : CK(18) : AC(6), Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)

Timing of routine immunisations (earlier = increased) and subsequent hay fever risk.

Pubmed Data : Arch Dis Child. 2005 Jun ;90(6):567-73. PMID: [15908618](#)

Article Published Date : May 31, 2005

Authors : S A Bremner, I M Carey, S DeWilde, N Richards, W C Maier, S R Hilton, D P Strachan, D G Cook

Study Type : Human Study

Additional Links

Diseases : Allergic Rhinitis : CK(392) : AC(52), Immune Dysregulation: TH1/TH2 imbalance : CK(171) : AC(45), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Incontinentia Pigmenti (AC 1) (CK 3)

Vaccination as a probable cause of incontinentia pigmenti reactivation has been reported.

Pubmed Data : Pediatr Dermatol. 2010 Jan-Feb;27(1):62-4. PMID: [20199413](#)

Article Published Date : Jan 01, 2010

Authors : Ali Alikhan, Andrew D Lee, Donald Swing, Christie Carroll, Gil Yosipovitch

Study Type : Human: Case Report

Additional Links

Diseases : Incontinentia Pigmenti : CK(3) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Infant Chemical Exposures (AC 1) (CK 20)

Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem.

Pubmed Data : Am J Perinatol. 2009 Aug;26(7):523-7. Epub 2009 Mar 12. PMID: [19283656](#)

Article Published Date : Aug 01, 2009

Authors : José G Dórea, Rejane C Marques, Katiane G Brandão

Study Type : Meta Analysis

Additional Links

Diseases : Hepatitis B : CK(241) : AC(46), Infant Chemical Exposures : CK(175) : AC(25) , Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Infant Infections (AC 4) (CK 50)

Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants.

Pubmed Data : Braz J Infect Dis. 2009 Apr;13(2):104-6. PMID: [20140352](#)

Article Published Date : Apr 01, 2009

Authors : Claudia R C Lopes, Eitan N Berezin, Ting Hui Ching, Jaildo de Souza Canuto, Vanilda Oliveira da Costa, Erika Monteiro Klering

Study Type : Human Study

Additional Links

Diseases : Infant Infections : CK(410) : AC(44) , Pneumococcal Infections : CK(52) : AC(12) , Upper Respiratory Infections : CK(950) : AC(114)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pneumococcal : CK(71) : AC(8)

Maternal influenza vaccination during pregnancy does not reduce the incidence of acute respiratory illness visits among infants.

Pubmed Data : Cancer Sci. 2004 Jul;95(7):596-601. PMID: [17146026](#)

Article Published Date : Jul 01, 2004

Authors : Eric K France, Renae Smith-Ray, David McClure, Simon Hambidge, Stanley Xu, Kristi Yamasaki, David Shay, Eric Weintraub, Alicia M Fry, Steve B Black, Henry R Shinefield, John P Mullooly, Lisa A Jackson

Study Type : Meta Analysis

Additional Links

Diseases : [Infant Infections](#) : CK(410) : AC(44) , [Pregnancy: Vaccination](#) : CK(92) : AC(16) , [Upper Respiratory Infections](#) : CK(950) : AC(114)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Influenza](#) : CK(435) : AC(50)

Pneumococcal conjugate vaccination is associated with higher levels of serious adverse respiratory events and nonrespiratory events in infants 6 weeks to 6 months of age.

Pubmed Data : Pediatr Infect Dis J. 2009 Jun;28(6):455-62. PMID: [19483514](#)

Article Published Date : Jun 01, 2009

Authors : Marilla G Lucero, Hanna Nohynek, Gail Williams, Veronica Tallo, Eric A F Simões, Socorro Lupisan, Diozele Sanvictores, Simon Forsyth, Taneli Puumalainen, Juanita Ugpo, Marites Lechago, Margaret de Campo, Erma Abucejo-Ladesma, Lydia Sombrero, Antti Nissinen, Anu Soininen, Petri Ruutu, Ian Riley, Helen P Mäkelä

Study Type : Human Study

Additional Links

Diseases : [Infant Infections](#) : CK(410) : AC(44) , [Respiratory Diseases](#) : CK(260) : AC(40) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Pneumococcal](#) : CK(71) : AC(8)

Whole cell pertussis vaccines may have been causing serious neurological disorders.

Pubmed Data : Brain Dev. 2004 Aug;26(5):296-300. PMID: [15165669](#)

Article Published Date : Aug 01, 2004

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : [Infant Infections](#) : CK(410) : AC(44) , [Infant Neurological Development](#) : CK(58) : AC(9) ,

Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pertussis : CK(148) : AC(25)

Infant Mortality (AC 10) (CK 114)

38,787 adverse events including infant death (highest in 1-3 month olds) after vaccination were reported between 1991-1994. (The authors speciously claim SIDS and not vaccination caused these deaths).

Pubmed Data : J Pediatr. 1997 Oct;131(4):529-35. PMID: [9386653](#)

Article Published Date : Oct 01, 1997

Authors : M M Braun, S S Ellenberg

Study Type : Meta Analysis

Additional Links

Diseases : Hearing Loss: Sudden : CK(30) : AC(3) , Infant Mortality : CK(249) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Among female infants, those who receive both BCG and DTP vaccines experience higher mortality than those who receive only one of the two vaccines.

Pubmed Data : Trop Med Int Health. 2005 Oct;10(10):947-55. PMID: [16185228](#)

Article Published Date : Oct 01, 2005

Authors : Lawrence H Moulton, Lakshmi Rahmathullah, Neal A Halsey, R D Thulasiraj, Joanne Katz, James M Tielsch

Study Type : Human Study

Additional Links

Diseases : Infant Mortality : CK(249) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: BCG (Tuberculosis) : CK(33) : AC(4), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Co-administration of live measles and yellow fever vaccines and inactivated pentavalent vaccines is

associated with increased mortality compared with measles and yellow fever vaccines only. An observational study from Guinea-Bissau.

Pubmed Data : [Vaccine](#). 2013 Dec 7. pii: S0264-410X(13)01663-0. doi: 10.1016/j.vaccine.2013.11.074.

Article Published Date : Dec 06, 2013

Authors : Ane Bærent Fisker, Henrik Ravn, Amabelia Rodrigues, Marie Drivsholm Ostergaard, Carlito Bale, Christine Stabell Benn, Peter Aaby

Study Type : Human Study

Additional Links

Diseases : [Infant Mortality](#) : CK(249) : AC(25)

Anti Therapeutic Actions : [Vaccination: Combinations](#) : CK(20) : AC(2)

DTP with or after measles vaccination is associated with increased in-hospital mortality in Guinea-Bissau.

Pubmed Data : [Vaccine](#). 2007 Jan 26;25(7):1265-9. Epub 2006 Oct 18.

Article Published Date : Jan 25, 2007

Authors : Peter Aaby, Sidu Biai, Jens Erik Veirum, Morten Sodemann, Ida Lisse, May-Lill Garly, Henrik Ravn, Christine Stabell Benn, Amabelia Rodrigues

Study Type : Human Study

Additional Links

Diseases : [Infant Mortality](#) : CK(249) : AC(25), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Combinations](#) : CK(20) : AC(2)

Diphtheria-tetanus-peteruss vaccines increase child mortality in rural Guinea-Bissau.

Pubmed Data : Int J Epidemiol. 2004 Apr;33(2):374-80. PMID: [15082643](#)

Article Published Date : Apr 01, 2004

Authors : Peter Aaby, Henrik Jensen, Joaquim Gomes, Manual Fernandes, Ida Maria Lisse

Study Type : Human Study

Additional Links

Diseases : [Infant Mortality](#) : CK(249) : AC(25), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.

Pubmed Data : Adv Exp Med Biol. 1990;272:183-95. PMID: [20077677](#)

Article Published Date : Jan 01, 1990

Authors : Fu-Zhen Wang, Fu-Qiang Cui, Da-Wei Liu

Study Type : Human: Case Report

Additional Links

Diseases : Anaphylaxis : CK(67) : AC(18), Infant Mortality : CK(249) : AC(25), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Over 600 cases of sudden infant death syndrome following vaccination were reported from 1990-1997.

Pubmed Data : Pharmacoepidemiol Drug Saf. 2001 Jun-Jul;10(4):279-85. PMID: [11760487](#)

Article Published Date : Jun 01, 2001

Authors : L E Silvers, S S Ellenberg, R P Wise, F E Varricchio, G T Mootrey, M E Salive

Study Type : Meta Analysis

Additional Links

Diseases : Infant Mortality : CK(249) : AC(25), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects.

Pubmed Data : J Trop Med. 2011 ;2011:706304. Epub 2011 May 5. PMID: [21760811](#)

Article Published Date : Jan 01, 2011

Authors : Mogens Helweg Claesson

Study Type : Human Study

Additional Links

Diseases : Immune Dysregulation: TH1/TH2 imbalance : CK(171) : AC(45) , Infant Mortality : CK(249) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Pertussis : CK(148) : AC(25) , Vaccination: Tetanus : CK(74) : AC(12), Vaccination: Diphtheria : CK(50) : AC(2)

Problem Substances : Adjuvant : CK(18) : AC(6) , Aluminum Hydroxide : CK(79) : AC(18) , Vaccine Adjuvants : CK(594) : AC(118)

There is a highly statistically significant correlation between increasing number of vaccine doses and increasing infant mortality rates.

Pubmed Data : Hum Exp Toxicol. 2011 May 4. Epub 2011 May 4. PMID: [21543527](#)

Article Published Date : May 04, 2011

Authors : Neil Z Miller, Gary S Goldman

Study Type : Meta Analysis

Additional Links

Diseases : [Infant Mortality](#) : CK(249) : AC(25), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.

Pubmed Data : J Pediatr. 2009 Apr;154(4):514-520.e4. Epub 2008 Dec 3. PMID: [19205900](#)

Article Published Date : Apr 01, 2009

Authors : Donald A Drum

Study Type : Commentary

Additional Links

Diseases : [Attention Deficit Disorder](#) : CK(136) : AC(14) , [Attention Deficit Disorder with Hyperactivity](#) : CK(303) : AC(38) , [Autism](#) : CK(617) : AC(73) , [Autism Spectrum Disorders](#) : CK(1493) : AC(159) , [Child Mortality](#) : CK(74) : AC(9) , [Infant Mortality](#) : CK(249) : AC(25) , [Mental Retardation](#) : CK(61) : AC(6) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Additional Keywords : [Thimerosal](#) : CK(3) : AC(2)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Infant Neurological Development (AC 2) (CK 20)

Content: Neurotoxic | Cumulative Knowledge: 1251 | Article Count: 224

Pubmed Data : NONE

Study Type : Human Study

Additional Links

Diseases : [Autism Spectrum Disorders](#) : CK(1493) : AC(159) , [Infant Neurological Development](#) : CK(58) : AC(9)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Problem Substances : [Thimerosal](#) : CK(757) : AC(85)

Adverse Pharmacological Actions : [Neurotoxic](#) : CK(1251) : AC(224)

Whole cell pertussis vaccines may have been causing serious neurological disorders.

Pubmed Data : Brain Dev. 2004 Aug;26(5):296-300. PMID: [15165669](#)

Article Published Date : Aug 01, 2004

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Infant Infections : CK(410) : AC(44) , Infant Neurological Development : CK(58) : AC(9) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pertussis : CK(148) : AC(25)

Infants: Low Birth Weight (AC 1) (CK 10)

This study found an increase in adverse events after the routine immunization of extremely low-birth-weight infants in the NICU.

Pubmed Data : JAMA Pediatr. 2015 Jun 1. Epub 2015 Jun 1. PMID: [26030302](#)

Article Published Date : May 31, 2015

Authors : Stephen D DeMeo, Sudha R Raman, Christoph P Hornik, Catherine C Wilson, Reese Clark, P Brian Smith

Study Type : Human Study

Additional Links

Diseases : Infants: Low Birth Weight : CK(144) : AC(15) , Infants: Very Low Birth Weight/Low Birth Weight : CK(212) : AC(19) , Sepsis : CK(197) : AC(54) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Reaction : CK(13) : AC(2) , Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Infants: Very Low Birth Weight/Low

Birth Weight (AC 1) (CK 10)

This study found an increase in adverse events after the routine immunization of extremely low-birth-weight infants in the NICU.

Pubmed Data : JAMA Pediatr. 2015 Jun 1. Epub 2015 Jun 1. PMID: [26030302](#)

Article Published Date : May 31, 2015

Authors : Stephen D DeMeo, Sudha R Raman, Christoph P Hornik, Catherine C Wilson, Reese Clark, P Brian Smith

Study Type : Human Study

Additional Links

Diseases : Infants: Low Birth Weight : CK(144) : AC(15) , Infants: Very Low Birth Weight/Low Birth Weight : CK(212) : AC(19), Sepsis : CK(197) : AC(54) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Reaction : CK(13) : AC(2) , Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Infection: In Infants & Children (AC 1) (CK 20)

Inactivated flu vaccines have not been proven to be effective or safe in preventing influenza in healthy children under two.

Pubmed Data : Altern Ther Health Med. 2009 Sep-Oct;15(5):44-6. PMID: [18425905](#)

Article Published Date : Sep 01, 2009

Authors : Tom Jefferson, Alessandro Rivetti, Anthony Harnden, Carlo Di Pietrantonj, Vittorio Demicheli

Study Type : Meta Analysis

Additional Links

Diseases : Cold and Flu: Infants & Children : CK(62) : AC(6), Infection: In Infants & Children : CK(101) : AC(10), Influenza A : CK(387) : AC(101)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Infertility (AC 1) (CK 2)

There is evidence that a DNA vaccine exhibits anti-fertility properties.

Pubmed Data : Vaccine. 2011 Jul 12 ;29(31):4933-9. Epub 2011 May 17. PMID: [21596079](#)

Article Published Date : Jul 12, 2011

Authors : Meng-Fei Yu, Wen-Ning Fang, Gao-Feng Xiong, Ying Yang, Jing-Pian Peng

Study Type : Animal Study

Additional Links

Diseases : Infertility : CK(728) : AC(152), Vaccination: Abortion : CK(40) : AC(13), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Plasmid DNA Vaccines : CK(3) : AC(2)

Infertility: Female (AC 1) (CK 1)

Tetanus vaccine given to Phillipino women of reproductive age may have been designed to induce an anti-fertility action.

Pubmed Data : Vaccine Wkly. 1995 May 29 - Jun 5:9-10. PMID: [12346214](#)

Article Published Date : May 29, 1995

Authors : [No authors listed]

Study Type : Commentary

Additional Links

Diseases : Infertility: Female : CK(281) : AC(51)

Additional Keywords : Population Control : CK(1) : AC(1)

Anti Therapeutic Actions : Vaccination: Tetanus : CK(74) : AC(12)

Inflammation (AC 3) (CK 21)

Hepatitis B vaccination is associated with an increased risk of CNS inflammatory demyelination after 3 years of age.

Pubmed Data : Reprod Toxicol. 2002 May-Jun;16(3):237-43. PMID: [18843097](#)

Article Published Date : May 01, 2002

Authors : Yann Mikaeloff, Guillaume Caridade, Samy Suissa, Marc Tardieu

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Inflammation : CK(3240) : AC(882), Multiple Sclerosis : CK(964) : AC(184)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

This review concludes that chronic adjuvant stimulation may lead to lymphoma.

Pubmed Data : Immunol Res. 2015 Feb ;61(1-2):79-89. PMID: [25582758](#)

Article Published Date : Jan 31, 2015

Authors : Dana Butnaru, Yehuda Shoenfeld

Study Type : Review

Additional Links

Diseases : Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4), Inflammation : CK(3240) : AC(882), Lymphoma : CK(253) : AC(83)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78), Vaccine Adjuvants : CK(594) : AC(118)

Typhoid but not placebo injection produced an inflammatory response indexed by increased circulating interleukin-6 and significant mood reduction at 3 hours.

Pubmed Data : Biol Psychiatry. 2009 Sep 1 ;66(5):407-14. Epub 2009 May 7. PMID: [19423079](#)

Article Published Date : Aug 31, 2009

Authors : Neil A Harrison, Lena Brydon, Cicely Walker, Marcus A Gray, Andrew Steptoe, Hugo D Critchley

Study Type : Human Study

Additional Links

Diseases : Depressive Disorder : CK(426) : AC(60), Inflammation : CK(3240) : AC(882), Mood Disorders : CK(156) : AC(19)

Additional Keywords : Cytokines : CK(33) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Inflammatory Bowel Diseases (AC 1) (CK 10)

Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its possible role in the pathogenesis of these disorders.

Pubmed Data : Dig Dis Sci. 2000 Apr;45(4):723-9. PMID: [10759242](#)

Article Published Date : Apr 01, 2000

Authors : H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield

Study Type : Human Study

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159) , Inflammatory Bowel Diseases : CK(1052) : AC(197), Ulcerative Colitis : CK(295) : AC(59), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Inflammatory Myopathy (AC 1) (CK 1)

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Pubmed Data : Discov Med. 2010 Feb;9(45):90-7. PMID: [20193633](#)

Article Published Date : Feb 01, 2010

Authors : Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18) , Human Papillomavirus (HPV) : CK(212) : AC(35), Inflammatory Myopathy : CK(31) : AC(4),

Macrophagic myofasciitis : CK(36) : AC(7), Multiple Sclerosis : CK(964) : AC(184), Rheumatoid Arthritis : CK(706) : AC(117), Systemic Lupus Erythematosus : CK(466) : AC(67), Vaccine-induced Toxicity : CK(1325) : AC(194), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Haemophilus Influenzae : CK(25) : AC(4), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: HPV (Gardasil) : CK(150) : AC(22), Vaccination: Influenza : CK(435) : AC(50), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Rabies : CK(4) : AC(3), Vaccination: Rotavirus : CK(33) : AC(6), Vaccination: Tetanus : CK(74) : AC(12), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Influenza (AC 13) (CK 140)

Annual influenza vaccination hampers the development of virus-specific CD8(+) T cell responses necessary to protect against influenza infection.

Pubmed Data : J Virol. 2011 Nov ;85(22):11995-2000. Epub 2011 Aug 31. PMID: [21880755](#)

Article Published Date : Nov 01, 2011

Authors : Rogier Bodewes, Pieter L A Fraaij, Martina M Geelhoed-Mieras, Carel A van Baalen, Harm A W M Tiddens, Annemarie M C van Rossum, Fiona R van der Klis, Ron A M Fouchier, Albert D M E Osterhaus, Guus F Rimmelzwaan

Study Type : Human Study

Additional Links

Diseases : Cystic Fibrosis : CK(547) : AC(83), Influenza : CK(789) : AC(123)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions : Immunosuppressive : CK(168) : AC(31)

Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.

Pubmed Data : Ann Pharmacother. 2010 Jul-Aug;44(7-8):1330-3. Epub 2010 May 18. PMID: [20484170](#)

Article Published Date : Jul 01, 2010

Authors : Marie-Eve Tremblay, Aurélie Closon, Guy D'Anjou, Jean-François Bussi eres

Study Type : Human: Case Report

Additional Links

Diseases : Childhood Infections : CK(275) : AC(29), Guillain-Barre Syndrome : CK(110) : AC(18),

Influenza : CK(789) : AC(123) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

H1N1 vaccination has been linked to possible new-onset seizure.

Pubmed Data : Pharmacotherapy. 2011 Jan;31(1):113. PMID: [21182364](#)

Article Published Date : Jan 01, 2011

Authors : [No authors listed]

Study Type : Human: Case Report

Additional Links

Diseases : Influenza : CK(789) : AC(123) , Seizures : CK(190) : AC(55)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Influenza vaccination did not reduce the risk of subsequent hospital admission among patients with vaccine failure. These findings do not support the hypothesis that vaccination mitigates influenza illness severity.

Pubmed Data : Vaccine. 2014 Jan 16 ;32(4):453-7. Epub 2013 Nov 26. PMID: [24291201](#)

Article Published Date : Jan 15, 2014

Authors : Huong Q McLean, Jennifer K Meece, Edward A Belongia

Study Type : Human: Case Report

Additional Links

Diseases : Influenza : CK(789) : AC(123) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia.

Pubmed Data : Cochrane Database Syst Rev. 2010(2):CD005187. Epub 2010 Feb 17. PMID: [20166073](#)

Article Published Date : Jan 01, 2010

Authors : Roger E Thomas, Tom Jefferson, Toby J Lasserson

Study Type : Meta Analysis

Additional Links

Diseases : Elderly: Age Specific Diseases : CK(442) : AC(38) , Influenza : CK(789) : AC(123) , Pneumonia : CK(409) : AC(55)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Influenza vaccination may increase the risk of Guillain-Barré Syndrome.

Pubmed Data : Kidney Int. 2008 Dec;74(11):1461-7. Epub 2008 Sep 24. PMID: [18592444](#)

Article Published Date : Dec 01, 2008

Authors : C I Blanco-Marchite, L Buznego-Suárez, M A Fagúndez-Vargas, M Méndez-Llatas, P Pozo-Martos

Study Type : Human Study

Additional Links

Diseases : Guillain Barre Syndrome: Miller Fisher Variant : CK(13) : AC(2) , Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Influenza vaccines were not shown to be effective among children 6 to 59 months of age during 2 influenza seasons.

Pubmed Data : Anticancer Res. 2009 Nov;29(11):4629-32. PMID: [18838647](#)

Article Published Date : Nov 01, 2009

Authors : Peter G Szilagyi, Gerry Fairbrother, Marie R Griffin, Richard W Hornung, Stephanie Donauer, Ardythe Morrow, Mekibib Altaye, Yuwei Zhu, Sandra Ambrose, Kathryn M Edwards, Katherine A Poehling, Geraldine Lofthus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat,

Study Type : Human Study

Additional Links

Diseases : Childhood Infections : CK(275) : AC(29) , Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.

Pubmed Data : J Infect Dis. 2008 Jul 15;198(2):226-33. PMID: [18522505](#)

Article Published Date : Jul 15, 2008

Authors : Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen

Study Type : Human Study

Additional Links

Diseases : Acute Autoimmune Neuropathy : CK(20) : AC(2) , Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18) , Influenza : CK(789) : AC(123) , Swine Flu Associated Virus : CK(182) : AC(40), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Influenza Vaccine : CK(10) : AC(1) , Swine Flu Vaccine : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

There is a lack of evidence for the effectiveness of influenza vaccines in adults aged 65 years or older.

Pubmed Data : Lancet Infect Dis. 2011 Oct 25. Epub 2011 Oct 25. PMID: [22032844](#)

Article Published Date : Oct 25, 2011

Authors : Michael T Osterholm, Nicholas S Kelley, Alfred Sommer, Edward A Belongia

Study Type : Meta Analysis

Additional Links

Diseases : Elderly: Age Specific Diseases : CK(442) : AC(38) , Influenza : CK(789) : AC(123)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

There is no solid evidence available supporting the belief that vaccines are effective in preventing influenza in the elderly.

Pubmed Data : Cochrane Database Syst Rev. 2010(2):CD004876. Epub 2010 Feb 17. PMID: [20166072](#)

Article Published Date : Jan 01, 2010

Authors : Tom Jefferson, Carlo Di Pietrantonj, Lubna A Al-Ansary, Eliana Ferroni, Sarah Thorning, Roger E Thomas

Study Type : Meta Analysis

Additional Links

Diseases : Influenza : CK(789) : AC(123)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

This review finds no reasonable evidence to support the vaccination of healthcare workers to prevent influenza in older people.

Pubmed Data : Cochrane Database Syst Rev. 2016 Jun 2 ;6:CD005187. Epub 2016 Jun 2. PMID: [27251461](#)

Article Published Date : Jun 01, 2016

Authors : Roger E Thomas, Tom Jefferson, Toby J Lasserson

Study Type : Review

Additional Links

Diseases : Influenza : CK(789) : AC(123)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

We concluded that there is no credible evidence that vaccination of healthy people under the age of 60, who are healthcare workers caring for the elderly, affects influenza complications in those cared for.

Pubmed Data : Cochrane Database Syst Rev. 2006 ;3:CD005187. Epub 2006 Jul 19. PMID: [16856082](#)

Article Published Date : Jan 01, 2006

Authors : R E Thomas, T Jefferson, V Demicheli, D Rivetti

Study Type : Meta Analysis

Additional Links

Diseases : Influenza : CK(789) : AC(123)

Additional Keywords : Healthcare Workers Influenza : CK(20) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Widening influenza vaccine coverage is not correlated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated.

Pubmed Data : Arch Intern Med. 2005 Feb 14;165(3):265-72. PMID: [15710788](#)

Article Published Date : Feb 14, 2005

Authors : Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Miller

Study Type : Human Study

Additional Links

Diseases : H1N1 Infection : CK(583) : AC(113) , Influenza : CK(789) : AC(123) , Influenza A : CK(387) : AC(101), Swine Flu Associated Virus : CK(182) : AC(40)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Influenza A (AC 6) (CK 71)

Inactivated flu vaccines have not been proven to be

effective or safe in preventing influenza in healthy children under two.

Pubmed Data : Altern Ther Health Med. 2009 Sep-Oct;15(5):44-6. PMID: [18425905](#)

Article Published Date : Sep 01, 2009

Authors : Tom Jefferson, Alessandro Rivetti, Anthony Harnden, Carlo Di Pietrantonj, Vittorio Demicheli

Study Type : Meta Analysis

Additional Links

Diseases : Cold and Flu: Infants & Children : CK(62) : AC(6), Infection: In Infants & Children : CK(101) : AC(10), Influenza A : CK(387) : AC(101)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.

Pubmed Data : J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: [20964738](#)

Article Published Date : Sep 01, 2010

Authors : Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

Study Type : Human Study

Additional Links

Diseases : C-Reactive Protein : CK(1852) : AC(174), Cardiovascular Diseases : CK(7342) : AC(916), Diabetes Mellitus: Type 2 : CK(3572) : AC(624), Influenza A : CK(387) : AC(101), Vaccine-induced Toxicity : CK(1325) : AC(194)

Pharmacological Actions : Interleukin-6 upregulation : CK(26) : AC(7)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Influenza-related mortality is not prevented with increasing vaccination coverage.

Pubmed Data : Vaccine. 2006 Oct 30;24(42-43):6468-75. Epub 2006 Jul 7. PMID: [16876293](#)

Article Published Date : Oct 30, 2006

Authors : Caterina Rizzo, Cécile Viboud, Emanuele Montomoli, Lone Simonsen, Mark A Miller

Study Type : Human Study

Additional Links

Diseases : Influenza A : CK(387) : AC(101), Swine Flu Associated Virus : CK(182) : AC(40)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

There is little evidence supporting the belief that vaccines are effective in preventing influenza in healthy adults.

Pubmed Data : Cochrane Database Syst Rev. 2010(7):CD001269. Epub 2010 Jul 7. PMID: [20614424](#)

Article Published Date : Jan 01, 2010

Authors : Tom Jefferson, Carlo Di Pietrantonj, Alessandro Rivetti, Ghada A Bawazeer, Lubna A Al-Ansary, Eliana Ferroni

Study Type : Meta Analysis

Additional Links

Diseases : Influenza A : CK(387) : AC(101), Influenza B : CK(73) : AC(14)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Vaccine-induced anti-HA2 antibodies promote virus fusion and enhance influenza virus respiratory disease.

Pubmed Data : Sci Transl Med. 2013 Aug 28 ;5(200):200ra114. PMID: [23986398](#)

Article Published Date : Aug 27, 2013

Authors : Surender Khurana, Crystal L Loving, Jody Manischewitz, Lisa R King, Phillip C Gauger, Jamie Henningson, Amy L Vincent, Hana Golding

Study Type : In Vitro Study

Additional Links

Diseases : Influenza A : CK(387) : AC(101), Lower Respiratory Infections : CK(12) : AC(3), Pneumonia : CK(409) : AC(55)

Additional Keywords : Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Widening influenza vaccine coverage is not correlated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated.

Pubmed Data : Arch Intern Med. 2005 Feb 14;165(3):265-72. PMID: [15710788](#)

Article Published Date : Feb 14, 2005

Authors : Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Miller

Study Type : Human Study

Additional Links

Diseases : H1N1 Infection : CK(583) : AC(113), Influenza : CK(789) : AC(123), Influenza A : CK(387) : AC(101), Swine Flu Associated Virus : CK(182) : AC(40)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Influenza B (AC 1) (CK 20)

There is little evidence supporting the belief that vaccines are effective in preventing influenza in healthy adults.

Pubmed Data : Cochrane Database Syst Rev. 2010(7):CD001269. Epub 2010 Jul 7. PMID: [20614424](#)

Article Published Date : Jan 01, 2010

Authors : Tom Jefferson, Carlo Di Pietrantonj, Alessandro Rivetti, Ghada A Bawazeer, Lubna A Al-Ansary, Eliana Ferroni

Study Type : Meta Analysis

Additional Links

Diseases : [Influenza A](#) : CK(387) : AC(101) , [Influenza B](#) : CK(73) : AC(14)

Anti Therapeutic Actions : [Vaccination: Influenza](#) : CK(435) : AC(50)

Intussusception (AC 3) (CK 30)

Rates of intussusception associated with rotavirus vaccines may be significantly underestimated.

Pubmed Data : J Infect Dis. 2009 Nov 1;200 Suppl 1:S264-70. PMID: [19817607](#)

Article Published Date : Nov 01, 2009

Authors : Margaret M Cortese, Mary Allen Staat, Geoffrey A Weinberg, Kathryn Edwards, Marilyn A Rice, Peter G Szilagyi, Caroline B Hall, Daniel C Payne, Umesh D Parashar

Study Type : Human Study

Additional Links

Diseases : [Intussusception](#) : CK(30) : AC(3) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Rotavirus](#) : CK(33) : AC(6)

Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception.

Pubmed Data : Pediatrics. 2004 Apr;113(4):e353-9. PMID: [15060267](#)

Article Published Date : Apr 01, 2004

Authors : Penina Haber, Robert T Chen, Lynn R Zanardi, Gina T Mootrey, Roseanne English, M Miles Braun,

Study Type : Human Study

Additional Links

Diseases : Gastroenteritis : CK(107) : AC(15), Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Rotavirus : CK(33) : AC(6)

Rotavirus vaccinations have a history of causing adverse effects such as intussusception.

Pubmed Data : Pediatrics. 2001 Jun;107(6):E97. PMID: [11389295](#)

Article Published Date : Jun 01, 2001

Authors : L R Zanardi, P Haber, G T Mootrey, M T Niu, M Wharton

Study Type : Human Study

Additional Links

Diseases : Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Rotavirus : CK(33) : AC(6)

Joint Diseases (AC 1) (CK 10)

Anthrax vaccination contributes to joint related adverse reactions.

Pubmed Data : Clin Exp Rheumatol. 2002 Mar-Apr;20(2):217-20. PMID: [12051402](#)

Article Published Date : Mar 01, 2002

Authors : D A Geier, M R Geier

Study Type : Human Study

Additional Links

Diseases : Joint Diseases : CK(30) : AC(3)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Anthrax : CK(62) : AC(8)

Leukemia Cutis (AC 1) (CK 3)

A case of Leukemia Cutis arising at the site of injection of a Tetanus Booster has been reported.

Pubmed Data : Actas Dermosifiliogr. 2010 Oct;101(8):727-9. PMID: [20965018](#)

Article Published Date : Oct 01, 2010

Authors : R M Guinovart, J M Carrascosa, C Ferrándiz

Study Type : Human: Case Report

Additional Links

Diseases : [Leukemia Cutis : CK\(3\) : AC\(1\)](#) , [Vaccine-induced Toxicity : CK\(1325\) : AC\(194\)](#)

Anti Therapeutic Actions : [Vaccination: Tetanus : CK\(74\) : AC\(12\)](#)

Lichen Planus (AC 1) (CK 3)

This report provides further documentation for a causal association linking the HBV vaccine with lichen planus.

Pubmed Data : Dermatology. 2002 ;205(2):166-8. PMID: [12218234](#)

Article Published Date : Dec 31, 2001

Authors : N G Stavrianeas, A C Katoulis, A Kanelleas, E Hatziolou, S Georgala

Study Type : Human: Case Report

Additional Links

Diseases : [Lichen Planus : CK\(64\) : AC\(8\)](#)

Additional Keywords : [Risk Factors : CK\(3057\) : AC\(392\)](#)

Anti Therapeutic Actions : [Vaccination: Hepatitis B : CK\(429\) : AC\(54\)](#)

Problem Substances : [Thimerosal : CK\(757\) : AC\(85\)](#)

Lipoatrophy (AC 1) (CK 3)

Delayed focal lipoatrophy after AS03-adjuvanted

influenza A (H1N1) 2009 vaccine has been reported.

Pubmed Data : Vaccine. 2010 Dec 17. Epub 2010 Dec 17. PMID: [21172376](#)

Article Published Date : Dec 17, 2010

Authors : Emilie Javelle, Benjamin Soulier, Christian Brosset, Solène Lorcy, Fabrice Simon

Study Type : Human: Case Report

Additional Links

Diseases : Lipotrophy : CK(3) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Liver Damage (AC 1) (CK 2)

Hepatitis B vaccine induces cell death in liver cells and mouse liver.

Pubmed Data : Apoptosis. 2012 Jan 17. Epub 2012 Jan 17. PMID: [22249285](#)

Article Published Date : Jan 17, 2012

Authors : Heyam Hamza, Jianhua Cao, Xinyun Li, Changchun Li, Mengjin Zhu, Shuhong Zhao

Study Type : Animal Study

Additional Links

Diseases : Liver Damage : CK(877) : AC(329), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)

Adverse Pharmacological Actions : Hepatotoxic : CK(320) : AC(92)

Liver Disease (AC 1) (CK 10)

Hepatitis B vaccine is associated with an increased risk of liver problems in U.S. children less than 6 years old, 1993 and 1994.

Pubmed Data : Epidemiology. 1999 May;10(3):337-9. PMID: [10230847](#)

Article Published Date : May 01, 1999

Authors : M A Fisher, S A Eklund

Study Type : Human Study

Additional Links

Diseases : [Liver Disease](#) : CK(145) : AC(41) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Hepatitis B](#) : CK(429) : AC(54)

Lower Respiratory Infections (AC 1) (CK 1)

Vaccine-induced anti-HA2 antibodies promote virus fusion and enhance influenza virus respiratory disease.

Pubmed Data : Sci Transl Med. 2013 Aug 28 ;5(200):200ra114. PMID: [23986398](#)

Article Published Date : Aug 27, 2013

Authors : Surender Khurana, Crystal L Loving, Jody Manischewitz, Lisa R King, Phillip C Gauger, Jamie Henningson, Amy L Vincent, Hana Golding

Study Type : In Vitro Study

Additional Links

Diseases : [Influenza A](#) : CK(387) : AC(101) , [Lower Respiratory Infections](#) : CK(12) : AC(3) , [Pneumonia](#) : CK(409) : AC(55)

Additional Keywords : [Increased Risk](#) : CK(1600) : AC(192)

Anti Therapeutic Actions : [Vaccination: Influenza](#) : CK(435) : AC(50)

Lupus Erythematosus: Cutaneous (AC 1) (CK 3)

Cutaneous lupus erythematosus and buccal aphthosis after hepatitis B vaccination has been reported in a 6-

year-old child]

Pubmed Data : Ann Dermatol Venereol. 1996;123(10):657-9. PMID: [9615128](#)

Article Published Date : Jan 01, 1996

Authors : P Grézard, M Chefäi, V Philippot, H Perrot, M Faisant

Study Type : Human: Case Report

Additional Links

Diseases : Aphthosis: Buccal : CK(3) : AC(1), Lupus Erythematosus: Cutaneous : CK(17) : AC(4)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Lupus Erythematosus: Systemic (AC 2) (CK 13)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Pubmed Data : Autoimmunity. 2005 Jun;38(4):295-301. PMID: [16206512](#)

Article Published Date : Jun 01, 2005

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Alopecia : CK(146) : AC(32), Arthritis : CK(1964) : AC(312), Hepatitis B : CK(241) : AC(46), Lupus Erythematosus: Systemic : CK(486) : AC(69), Optic Neuritis : CK(39) : AC(6), Rheumatoid Arthritis : CK(706) : AC(117), Thrombocytopenia : CK(234) : AC(26), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Possible systemic lupus erythematosus following HPV immunization has been reported.

Pubmed Data : Lupus. 2012 ;21(2):158-61. PMID: [22235047](#)

Article Published Date : Jan 01, 2012

Authors : Hf Soldevilla, Sfr Briones, Sv Navarra

Study Type : Human: Case Report

Additional Links

Diseases : Lupus Erythematosus: Systemic : CK(486) : AC(69), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Lyme Disease (AC 1) (CK 10)

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.

Pubmed Data : Vaccine. 2009 Dec 9;27(52):7322-5. Epub 2009 Oct 4. PMID: [19808027](#)

Article Published Date : Dec 09, 2009

Authors : Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin

Study Type : Human Study

Additional Links

Diseases : Lyme Disease : CK(58) : AC(14) , Neuropathy: Small Fiber : CK(10) : AC(1) , Rabies : CK(13) : AC(3) , Vaccine-induced Toxicity : CK(1325) : AC(194) , Varicella : CK(50) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Lyme disease : CK(11) : AC(2) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Lymphoma (AC 1) (CK 1)

This review concludes that chronic adjuvant stimulation may lead to lymphoma.

Pubmed Data : Immunol Res. 2015 Feb ;61(1-2):79-89. PMID: [25582758](#)

Article Published Date : Jan 31, 2015

Authors : Dana Butnaru, Yehuda Shoenfeld

Study Type : Review

Additional Links

Diseases : Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4) , Inflammation : CK(3240) : AC(882) , Lymphoma : CK(253) : AC(83)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78) , Vaccine Adjuvants : CK(594) : AC(118)

Macrophagic myofasciitis (AC 6) (CK 35)

Aluminum hydroxide-induced macrophagic myofasciitis (MMF) associated with vaccination has been reported.

Pubmed Data : J Inorg Biochem. 2011 Nov ;105(11):1457-63. Epub 2011 Aug 22. PMID: [22099155](#)

Article Published Date : Nov 01, 2011

Authors : Elodie Passeri, Chiara Villa, Maryline Couette, Emmanuel Itti, Pierre Brugieres, Pierre Cesaro, Romain K Gherardi, Anne-Catherine Bachoud-Levi, François-Jérôme Authier

Study Type : Human Study

Additional Links

Diseases : Macrophagic myofasciitis : CK(36) : AC(7)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18) , Vaccine Adjuvants : CK(594) : AC(118)

Brain translocation of aluminum particles is linked to a trojan horse mechanism previously described for infectious particles.

Pubmed Data : Front Neurol. 2015 ;6:4. Epub 2015 Feb 5. PMID: [25699008](#)

Article Published Date : Dec 31, 2014

Authors : Romain Kroum Gherardi, Housam Eidi, Guillemette Crépeaux, François Jerome Authier, Josette Cadusseau

Study Type : Review

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75) , Autoimmune Diseases : CK(6629) : AC(1128) , Macrophagic myofasciitis : CK(36) : AC(7)

Additional Keywords : Biopersistence : CK(11) : AC(2) , Genomic Variation : CK(143) : AC(18) , Gulf War Syndrome : CK(1) : AC(1) , Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

In the present study, intracytoplasmic inclusions were constantly detected in macrophages of the MMF lesions and were shown to contain aluminium by three different methods.

Pubmed Data : Brain. 2001 Sep ;124(Pt 9):1821-31. PMID: [11522584](#)

Article Published Date : Aug 31, 2001

Authors : R K Gherardi, M Coquet, P Cherin, L Belec, P Moretto, P A Dreyfus, J F Pellissier, P Chariot, F J Authier

Study Type : Human Study

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Macrophagic myofasciitis : CK(36) : AC(7)

Additional Keywords : Biopersistence : CK(11) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Tetanus : CK(74) : AC(12)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18)

Long-term persistence of vaccine-derived aluminum hydroxide within the body assessed by MMF is associated with cognitive dysfunction.

Pubmed Data : J Inorg Biochem. 2009 Nov ;103(11):1571-8. Epub 2009 Aug 20. PMID: [19748679](#)

Article Published Date : Oct 31, 2009

Authors : Maryline Couette, Marie-Françoise Boisse, Patrick Maison, Pierre Brugieres, Pierre Cesaro, Xavier Chevalier, Romain K Gherardi, Anne-Catherine Bachoud-Levi, François-Jérôme Authier

Study Type : Human Study

Additional Links

Diseases : Cognitive Decline/Dysfunction : CK(1163) : AC(215), Macrophagic myofasciitis : CK(36) : AC(7)

Additional Keywords : Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18)

The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines.

Pubmed Data : J Trace Elem Med Biol. 2012 Mar 14. Epub 2012 Mar 14. PMID: [22425036](#)

Article Published Date : Mar 14, 2012

Authors : Olivier Guillard, Bernard Fauconneau, Alain Pineau, Annie Marraud, Jean-Pierre Bellocq, Marie-Pierre Chenard

Study Type : Human: Case Report, Review

Additional Links

Diseases : Chronic Fatigue Syndrome : CK(275) : AC(40) , Macrophagic myofasciitis : CK(36) : AC(7), Pseudolymphoma : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18) , Vaccine Adjuvants : CK(594) : AC(118)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52)

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Pubmed Data : Discov Med. 2010 Feb;9(45):90-7. PMID: [20193633](#)

Article Published Date : Feb 01, 2010

Authors : Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128) , Guillain-Barre Syndrome : CK(110) : AC(18) , Human Papillomavirus (HPV) : CK(212) : AC(35) , Inflammatory Myopathy : CK(31) : AC(4) , Macrophagic myofasciitis : CK(36) : AC(7) , Multiple Sclerosis : CK(964) : AC(184) , Rheumatoid Arthritis : CK(706) : AC(117) , Systemic Lupus Erythematosus : CK(466) : AC(67) , Vaccine-induced Toxicity : CK(1325) : AC(194) , Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) , Vaccination: Haemophilus Influenzae : CK(25) : AC(4) , Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: HPV (Gardasil) : CK(150) : AC(22) , Vaccination: Influenza : CK(435) : AC(50) , Vaccination: Lyme disease : CK(11) : AC(2) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37) , Vaccination: Rabies : CK(4) : AC(3) , Vaccination: Rotavirus : CK(33) : AC(6) , Vaccination: Tetanus : CK(74) : AC(12) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Malaria (AC 1) (CK 10)

Undernutrition as an underlying cause of child deaths associated with diarrhea, pneumonia, malaria, and measles.

Pubmed Data : Am J Clin Nutr. 2004 Jul ;80(1):193-8. PMID: [15213048](#)

Article Published Date : Jun 30, 2004

Authors : Laura E Caulfield, Mercedes de Onis, Monika Blössner, Robert E Black

Study Type : Human Study

Additional Links

Diseases : [Diarrhea : CK\(612\) : AC\(83\)](#), [Malaria : CK\(145\) : AC\(58\)](#), [Measles : CK\(291\) : AC\(33\)](#),
[Pneumonia : CK\(409\) : AC\(55\)](#)

Additional Keywords : [Undernourishment And Susceptibility To Infectious Disease : CK\(10\) : AC\(1\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#)

Measles (AC 28) (CK 250)

"A history of prior vaccination is not always associated with immunity nor with the presence of specific antibodies."

Pubmed Data : Clin Invest Med. 1988 Aug ;11(4):304-9. PMID: [3168353](#)

Article Published Date : Jul 31, 1988

Authors : L Sekla, W Stackiw, G Eibisch, I Johnson

Study Type : Human Study

Additional Links

Diseases : [Measles : CK\(291\) : AC\(33\)](#)

Additional Keywords : [Antibody Theory Of Vaccinology : CK\(75\) : AC\(5\)](#) , [Vaccine Failure : CK\(255\) : AC\(32\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#) , [Vaccination: Measles : CK\(252\) : AC\(31\)](#)

"The design and reporting of safety outcomes in MMR vaccine studies, both pre- and post-marketing, are largely inadequate. "

Pubmed Data : Cochrane Database Syst Rev. 2012 ;2:CD004407. Epub 2012 Feb 15. PMID: [22336803](#)

Article Published Date : Dec 31, 2011

Authors : Vittorio Demicheli, Alessandro Rivetti, Maria Grazia Debalini, Carlo Di Pietrantonj

Study Type : Meta Analysis

Additional Links

Diseases : Measles : CK(291) : AC(33) , Mumps : CK(54) : AC(6) , Rubella : CK(54) : AC(4)
Additional Keywords : Lack Of Evidence Supporting Vaccines : CK(20) : AC(1) , Vaccine Safety : CK(21) : AC(2)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

A 1993 outbreak of measles in a highly immunised Australian population.

Pubmed Data : Aust J Public Health. 1994 Sep ;18(3):249-52. PMID: [7841251](#)

Article Published Date : Aug 31, 1994

Authors : A Herceg, I Passaris, C Mead

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

A low measles vaccine efficacy rate may explain the less-than-expected gains attributable to vaccination.

Pubmed Data : BMC Int Health Hum Rights. 2009 ;9 Suppl 1:S6. Epub 2009 Oct 14. PMID: [19828064](#)

Article Published Date : Dec 31, 2008

Authors : Robert J Ledogar, John Fleming, Neil Andersson

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31)

A major measles epidemic occurred in 1989 in the region of Quebec despite a 99% vaccine coverage.

Pubmed Data : Can J Public Health. 1991 May-Jun;82(3):189-90. PMID: [1884314](#)

Article Published Date : Apr 30, 1991

Authors : N Boulianne, G De Serres, B Duval, J R Joly, F Meyer, P Déry, M Alary, D Le Hénaff, N Thériault

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

A measles outbreak at a college with a prematriculation immunization requirement.

Pubmed Data : Am J Public Health. 1991 Mar ;81(3):360-4. PMID: [1994745](#)

Article Published Date : Feb 28, 1991

Authors : B S Hersh, L E Markowitz, R E Hoffman, D R Hoff, M J Doran, J C Fleishman, S R Preblud, W A Orenstein

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

A measles outbreak in Montana in 1985 indicates vaccine failure.

Pubmed Data : Am J Epidemiol. 1987 Sep ;126(3):438-49. PMID: [3618578](#)

Article Published Date : Aug 31, 1987

Authors : R M Davis, E D Whitman, W A Orenstein, S R Preblud, L E Markowitz, A R Hinman

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

A patient that had received 2 doses of MMR vaccine developed measles after being exposed in the setting of a hospital waiting room.

Pubmed Data : MMWR Morb Mortal Wkly Rep. 2015 ;64(39):1123. Epub 2015 Oct 9. PMID: [26447803](#)

Article Published Date : Dec 31, 2014

Authors : Amanda Kamali, Chhandasi P Bagchi, Emmanuel Mendoza, Dulmini Wilson, Benjamin Schwartz, Laurene Mascola

Study Type : Human: Case Report

Additional Links

Diseases : Measles : CK(291) : AC(33)

Anti Therapeutic Actions : Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

An outbreak of measles occurred in a high school with a documented vaccination level of 98 per cent.

Pubmed Data : Am J Public Health. 1987 Apr ;77(4):434-8. PMID: [3826461](#)

Article Published Date : Mar 31, 1987

Authors : B M Nkowane, S W Bart, W A Orenstein, M Baltier

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31)

Case report: an outbreak of measles among persons with prior evidence of immunity, New York City, 2011.

Pubmed Data : Clin Infect Dis. 2014 May ;58(9):1205-10. Epub 2014 Feb 27. PMID: [24585562](#)

Article Published Date : Apr 30, 2014

Authors : Jennifer B Rosen, Jennifer S Rota, Carole J Hickman, Sun B Sowers, Sara Mercader, Paul A Rota, William J Bellini, Ada J Huang, Margaret K Doll, Jane R Zucker, Christopher M Zimmerman

Study Type : Human: Case Report

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31)

Despite a high coverage with measles vaccines in parts of west Africa, epidemics of measles occur with reduced severity in an increasing proportion of older children who have been vaccinated.

Pubmed Data : Lancet. 1999 Jan 9 ;353(9147):98-102. PMID: [10023894](#)

Article Published Date : Jan 08, 1999

Authors : H C Whittle, P Aaby, B Samb, H Jensen, J Bennett, F Simondon

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

Difficulties in eliminating measles and controlling rubella and mumps in a 99% measles vaccine compliant population.

Pubmed Data : PLoS One. 2014 ;9(2):e89361. Epub 2014 Feb 20. PMID: [24586717](#)

Article Published Date : Dec 31, 2013

Authors : Zhifang Wang, Rui Yan, Hanqing He, Qian Li, Guohua Chen, Shengxu Yang, Enfu Chen

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33) , Mumps : CK(54) : AC(6) , Rubella : CK(54) : AC(4)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Brachytherapy : CK(10) : AC(1) , Vaccination: Measles : CK(252) : AC(31) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Even though 95% of the children had measles antibodies after vaccination, vaccine efficacy was not more than 68%.

Pubmed Data : J Infect Dis. 1990 Nov ;162(5):1043-8. PMID: [2230232](#)

Article Published Date : Oct 31, 1990

Authors : P Aaby, K Knudsen, T G Jensen, J Thårup, A Poulsen, M Sodemann, M C da Silva, H Whittle

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Antibody Theory Of Vaccinology : CK(75) : AC(5) , Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

High titre measles vaccination increases female mortality in those receiving immunization in West Africa.

Pubmed Data : Int J Epidemiol. 1996 Jun;25(3):665-73. PMID: [8671571](#)

Article Published Date : Jun 01, 1996

Authors : K M Knudsen, P Aaby, H Whittle, M Rowe, B Samb, F Simondon, J Sterne, P Fine

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

High-titer measles vaccination before 9 months of age has been linked to increased female mortality.

Pubmed Data : Semin Pediatr Infect Dis. 2003 Jul;14(3):220-32. PMID: [12913835](#)

Article Published Date : Jul 01, 2003

Authors : Peter Aaby, Henrik Jensen, Francois Simondon, Hilton Whittle

Study Type : Human Study

Additional Links

Diseases : Child Mortality : CK(74) : AC(9), Measles : CK(291) : AC(33)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

In a measles outbreak from March 1991 to April 1992 in Rio de Janeiro 76.4% of those suspected to be infected had received measles vaccine before their first birthday.

Pubmed Data : Rev Soc Bras Med Trop. 1995 Oct-Dec;28(4):339-43. PMID: [8668833](#)

Article Published Date : Sep 30, 1995

Authors : S A de Oliveira, W N Soares, M O Dalston, M T de Almeida, A J Costa

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

In this animal study measles vaccine did not prevent infection or disease against wild type MeV.

Pubmed Data : MBio. 2014 ;5(2):e01047. Epub 2014 Apr 15. PMID: [24736226](#)

Article Published Date : Dec 31, 2013

Authors : Wen-Hsuan W Lin, Chien-Hsiung Pan, Robert J Adams, Beth L Laube, Diane E Griffin

Study Type : Animal Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31)

MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum

disorder.

Pubmed Data : Med Hypotheses. 2003 May;60(5):650-3. PMID: [12710897](#)

Article Published Date : May 01, 2003

Authors : Bijal K Mehta, Kerim M Munir

Study Type : Commentary

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Autoimmune Diseases : CK(6629) : AC(1128) , Measles : CK(291) : AC(33)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Measles outbreak in a fully immunized secondary-school population with up to 99 percent vaccination.

Pubmed Data : N Engl J Med. 1987 Mar 26 ;316(13):771-4. PMID: [3821823](#)

Article Published Date : Mar 25, 1987

Authors : T L Gustafson, A W Lievens, P A Brunell, R G Moellenberg, C M Buttery, L M Schulster

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Antibody Theory Of Vaccinology : CK(75) : AC(5) , Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

Measles vaccination in developing countries has resulted in higher infant mortality rates.

Pubmed Data : BMJ. 1993 Nov 20;307(6915):1294-5. PMID: [8257878](#)

Article Published Date : Nov 20, 1993

Authors : A J Hall, F T Cutts

Study Type : Review

Additional Links

Diseases : Child Mortality : CK(74) : AC(9) , Measles : CK(291) : AC(33) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

Measles, mumps, and rubella catch up immunisation in a measles epidemic did not appear to confer protection and

was associated with a variety of new side effects of the vaccine.

Pubmed Data : BMJ. 1995 Jun 24 ;310(6995):1629-32. PMID: [7795447](#)

Article Published Date : Jun 23, 1995

Authors : R J Roberts, Q D Sandifer, M R Evans, M Z Nolan-Farrell, P M Davis

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33), Mumps : CK(54) : AC(6), Rubella : CK(54) : AC(4)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Passive acquired immunity against measles in infants born to naturally infected and vaccinated mothers.

Pubmed Data : Med Sci Monit. 2003 Dec ;9(12):CR541-6. PMID: [14646978](#)

Article Published Date : Nov 30, 2003

Authors : Leszek Szenborn, Annedore Tischer, Jerzy Pejcz, Zbigniew Rudkowski, Marta Wójcik

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31)

Passive immunity against measles is superior in infants of mothers who experienced naturally acquired measles infection versus those who were vaccinated.

Pubmed Data : Vaccine. 1997 Apr-May;15(6-7):620-3. PMID: [9178461](#)

Article Published Date : Mar 31, 1997

Authors : G De Serres, J R Joly, M Fauvel, F Meyer, B Mâsse, N Boulianne

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Antibody Theory Of Vaccinology : CK(75) : AC(5), Health Myths Explored : CK(22) : AC(4), Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31)

Primary and secondary vaccine failure may explain the 1992 measles epidemic in Cape Town.

Pubmed Data : S Afr Med J. 1994 Mar ;84(3):145-9. PMID: [7740350](#)

Article Published Date : Feb 28, 1994

Authors : N Coetzee, G D Hussey, G Visser, P Barron, A Keen

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism.

Pubmed Data : J Biomed Sci. 2002 Jul-Aug;9(4):359-64. PMID: [12145534](#)

Article Published Date : Jul 01, 2002

Authors : Vijendra K Singh, Sheren X Lin, Elizabeth Newell, Courtney Nelson

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Autoimmune Diseases : CK(6629) : AC(1128), Measles : CK(291) : AC(33)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

The occurrence of secondary vaccine failure and vaccine-modified measles in the United States may lead to underreporting of measles cases and result in overestimation of vaccine efficacy in h

Pubmed Data : JAMA. 1990 May 9 ;263(18):2467-71. PMID: [2278542](#)

Article Published Date : May 08, 1990

Authors : M B Edmonson, D G Addiss, J T McPherson, J L Berg, S R Circo, J P Davis

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Vaccine Efficacy Overestimation : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

There is evidence that measles vaccine recipients can shed measles vaccine.

Pubmed Data : J Clin Microbiol. 1995 Sep ;33(9):2485-8. PMID: [7494055](#)

Article Published Date : Aug 31, 1995

Authors : P A Rota, A S Khan, E Durigon, T Yuran, Y S Villamarzo, W J Bellini

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33)

Additional Keywords : Vaccine Failure : CK(255) : AC(32), Vaccine Shedding : CK(31) : AC(4)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Undernutrition as an underlying cause of child deaths associated with diarrhea, pneumonia, malaria, and measles.

Pubmed Data : Am J Clin Nutr. 2004 Jul ;80(1):193-8. PMID: [15213048](#)

Article Published Date : Jun 30, 2004

Authors : Laura E Caulfield, Mercedes de Onis, Monika Blössner, Robert E Black

Study Type : Human Study

Additional Links

Diseases : Diarrhea : CK(612) : AC(83), Malaria : CK(145) : AC(58), Measles : CK(291) : AC(33), Pneumonia : CK(409) : AC(55)

Additional Keywords : Undernourishment And Susceptibility To Infectious Disease : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Meningitis: Viral (AC 2) (CK 20)

Varciella vaccine has been reported to cause herpes zoster skin lesions and meningitis in a previously healthy boy.

Pubmed Data : J Infect Dis. 2008 Nov 15;198(10):1444-7. PMID: [18826373](#)

Article Published Date : Nov 15, 2008

Authors : Myron J Levin, Roberta L DeBiasi, Vanda Bostik, D Scott Schmid

Study Type : Human Study

Additional Links

Diseases : Herpes Zoster : CK(473) : AC(36), Meningitis: Viral : CK(20) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Smallpox : CK(71) :

Varicella vaccine has been reported to viral meningitis in an immunocompetent child.

Pubmed Data : Ann Emerg Med. 2009 Jun;53(6):792-5. Epub 2008 Nov 22. PMID: [19028409](#)

Article Published Date : Jun 01, 2009

Authors : Sujit Iyer, Manoj K Mittal, Richard L Hodinka

Study Type : Human Study

Additional Links

Diseases : Chickenpox : CK(113) : AC(12) , Herpes Zoster : CK(473) : AC(36) , Meningitis: Viral : CK(20) : AC(2)

Pharmacological Actions : Antiviral Agents : CK(938) : AC(433)

Additional Keywords : Undefined : CK(14) : AC(3)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Mental Retardation (AC 1) (CK 1)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.

Pubmed Data : J Pediatr. 2009 Apr;154(4):514-520.e4. Epub 2008 Dec 3. PMID: [19205900](#)

Article Published Date : Apr 01, 2009

Authors : Donald A Drum

Study Type : Commentary

Additional Links

Diseases : Attention Deficit Disorder : CK(136) : AC(14) , Attention Deficit Disorder with Hyperactivity : CK(303) : AC(38) , Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Child Mortality : CK(74) : AC(9) , Infant Mortality : CK(249) : AC(25) , Mental Retardation : CK(61) : AC(6) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Thimerosal : CK(3) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Mercury Poisoning (AC 7) (CK 55)

Hair mercury in breast-fed infants exposed to thimerosal-preserved vaccines indicates significant levels of exposure.

Pubmed Data : Eur J Pediatr. 2007 Sep;166(9):935-41. Epub 2007 Jan 20. PMID: [17237965](#)

Article Published Date : Sep 01, 2007

Authors : Rejane C Marques, José G Dórea, Márton F Fonseca, Wanderley R Bastos, Olaf Malm

Study Type : Human Study

Additional Links

Diseases : Mercury Poisoning : CK(228) : AC(178) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Therapeutic Actions : Breastfeeding : CK(803) : AC(85)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) ,
Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination is associated with potentially neurotoxic mercury exposure in infants.

Pubmed Data : Chin Med. 2008 Mar 29;3:4. PMID: [10802503](#)

Article Published Date : Mar 29, 2008

Authors : G V Stajich, G P Lopez, S W Harry, W R Sexson

Study Type : Human Study

Additional Links

Diseases : Mercury Poisoning : CK(228) : AC(178) , Premature Birth : CK(424) : AC(45)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem.

Pubmed Data : Am J Perinatol. 2009 Aug;26(7):523-7. Epub 2009 Mar 12. PMID: [19283656](#)

Article Published Date : Aug 01, 2009

Authors : José G Dórea, Rejane C Marques, Katiane G Brandão

Study Type : Meta Analysis

Additional Links

Diseases : Hepatitis B : CK(241) : AC(46) , Infant Chemical Exposures : CK(175) : AC(25) , Mercury Poisoning : CK(228) : AC(178) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

The epidemic of autism may be linked to both vaccinations and mitochondrial diseases.

Pubmed Data : Clin Exp Pharmacol Physiol. 2004 Dec;31 Suppl 2:S51-3 PMID: [19043939](#)

Article Published Date : Dec 01, 2004

Authors : Stephanie F Cave

Study Type : Commentary

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159) , Mercury Poisoning : CK(228) : AC(178) , Mitochondrial Diseases : CK(227) : AC(92) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Diseases that are Linked : CK(2335) : AC(304)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The mercury containing vaccine adjuvant known as thimerosal has immunosuppressive and autoimmune effects in mice.

Pubmed Data : Toxicol Appl Pharmacol. 2005 Apr 15;204(2):109-21. PMID: [15808517](#)

Article Published Date : Apr 15, 2005

Authors : S Havarinasab, B Häggqvist, E Björn, K M Pollard, P Hultman

Study Type : Animal Study

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128) , Mercury Poisoning : CK(228) : AC(178) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The vaccine adjuvant thimerosal induces adverse changes in the cerebellum of mice, lending plausibility to the association between autism and low-dose mercury exposure.

Pubmed Data : Cell Biol Toxicol. 2009 Apr 9. PMID: [19357975](#)

Article Published Date : Apr 09, 2009

Authors : Takeshi Minami, Eriko Miyata, Yamato Sakamoto, Hideo Yamazaki, Seiji Ichida

Study Type : Animal Study

Additional Links

Diseases : Mercury Poisoning : CK(228) : AC(178) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Thimerosal : CK(3) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

There is evidence supporting an association between

increasing organic-Hg exposure from Thimerosal-containing childhood vaccines and the subsequent risk of an ASD.

Pubmed Data : Transl Neurodegener. 2013 ;2(1):25. Epub 2013 Dec 19. PMID: [24354891](#)

Article Published Date : Dec 31, 2012

Authors : David A Geier, Brian S Hooker, Janet K Kern, Paul G King, Lisa K Sykes, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Mercury : CK(237) : AC(38) , Thimerosal : CK(757) : AC(85)

Miller Fisher Syndrome (AC 1) (CK 3)

Influenza vaccination has been reported to cause miller fisher syndrome.

Pubmed Data : Arch Neurol. 2011 Oct ;68(10):1327-9. PMID: [21987549](#)

Article Published Date : Oct 01, 2011

Authors : Ashkan Shoamanesh, Kristine Chapman, Anthony Traboulsee

Study Type : Human: Case Report

Additional Links

Diseases : Guillain Barre Syndrome: Miller Fisher Variant : CK(13) : AC(2) , Miller Fisher Syndrome : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Miscarriage (AC 1) (CK 10)

The use of misoprostol for early pregnancy failure after

failed expectant management is less costly than curettage.

Pubmed Data : Hum Reprod. 2005 Apr;20(4):1067-71. Epub 2004 Dec 23. PMID: [15618248](#)

Article Published Date : Apr 01, 2005

Authors : G C M Graziosi, J W van der Steeg, P H W Reuwer, A P Drogdrop, H W Bruinse, B W J Mol

Study Type : Human Study

Additional Links

Diseases : Miscarriage : CK(323) : AC(37), Miscarriage: Medical Intervention : CK(125) : AC(14)

Additional Keywords : Surgical Alternatives : CK(20) : AC(2)

Anti Therapeutic Actions : Obstetric Interventions : CK(1061) : AC(73), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Miscarriage: Medical Intervention (AC 1) (CK 10)

The use of misoprostol for early pregnancy failure after failed expectant management is less costly than curettage.

Pubmed Data : Hum Reprod. 2005 Apr;20(4):1067-71. Epub 2004 Dec 23. PMID: [15618248](#)

Article Published Date : Apr 01, 2005

Authors : G C M Graziosi, J W van der Steeg, P H W Reuwer, A P Drogdrop, H W Bruinse, B W J Mol

Study Type : Human Study

Additional Links

Diseases : Miscarriage : CK(323) : AC(37), Miscarriage: Medical Intervention : CK(125) : AC(14)

Additional Keywords : Surgical Alternatives : CK(20) : AC(2)

Anti Therapeutic Actions : Obstetric Interventions : CK(1061) : AC(73), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Mitochondrial Diseases (AC 1) (CK 1)

The epidemic of autism may be linked to both vaccinations and mitochondrial diseases.

Pubmed Data : Clin Exp Pharmacol Physiol. 2004 Dec;31 Suppl 2:S51-3 PMID: [19043939](#)

Article Published Date : Dec 01, 2004

Authors : Stephanie F Cave

Study Type : Commentary

Additional Links

Diseases : [Autism Spectrum Disorders](#) : CK(1493) : AC(159) , [Mercury Poisoning](#) : CK(228) : AC(178) , [Mitochondrial Diseases](#) : CK(227) : AC(92) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Additional Keywords : [Diseases that are Linked](#) : CK(2335) : AC(304)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Mood Disorders (AC 1) (CK 10)

Typhoid but not placebo injection produced an inflammatory response indexed by increased circulating interleukin-6 and significant mood reduction at 3 hours.

Pubmed Data : Biol Psychiatry. 2009 Sep 1 ;66(5):407-14. Epub 2009 May 7. PMID: [19423079](#)

Article Published Date : Aug 31, 2009

Authors : Neil A Harrison, Lena Brydon, Cicely Walker, Marcus A Gray, Andrew Steptoe, Hugo D Critchley

Study Type : Human Study

Additional Links

Diseases : [Depressive Disorder](#) : CK(426) : AC(60) , [Inflammation](#) : CK(3240) : AC(882) , [Mood Disorders](#) : CK(156) : AC(19)

Additional Keywords : [Cytokines](#) : CK(33) : AC(11)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Morphea profunda (AC 1) (CK 3)

Deep morphea after vaccination in two young children has been reported.

Pubmed Data : Pediatr Dermatol. 2006 Sep-Oct;23(5):484-7. PMID: [17014648](#)

Article Published Date : Sep 01, 2006

Authors : Antonio Torrelo, José Suárez, Isabel Colmenero, Daniel Azorín, Antonio Perera, Antonio Zambrano

Study Type : Human: Case Report

Additional Links

Diseases : [Morphea profunda](#) : CK(3) : AC(1) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Multiple Sclerosis (AC 15) (CK 79)

"Yellow fever vaccination and increased relapse rate in travelers with multiple sclerosis."

Pubmed Data : Arch Neurol. 2011 Oct ;68(10):1267-71. Epub 2011 Jun 13. PMID: [21670384](#)

Article Published Date : Oct 01, 2011

Authors : Mauricio F Farez, Jorge Correale

Study Type : Human Study

Additional Links

Diseases : [Multiple Sclerosis](#) : CK(964) : AC(184)

Anti Therapeutic Actions : [Vaccination: Yellow Fever](#) : CK(13) : AC(2)

Adverse Pharmacological Actions : [Immunotoxic](#) : CK(294) : AC(52)

Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.

Pubmed Data : J Neurosci Res. 2001 Sep 1;65(5):446-54. PMID: [11536329](#)

Article Published Date : Sep 01, 2001

Authors : C Besson Duvanel, P Honegger, J M Matthieu

Study Type : Animal Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Multiple Sclerosis : CK(964) : AC(184), Rubella : CK(54) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Children vaccinated with MMR before age 10 are at significantly higher risk of multiple sclerosis.

Pubmed Data : Eur J Epidemiol. 2009;24(9):541-52. Epub 2009 Jul 26. PMID: [19633994](#)

Article Published Date : Jan 01, 2009

Authors : Cecilia Ahlgren, Kjell Torén, Anders Odén, Oluf Andersen

Study Type : Human Study

Additional Links

Diseases : Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Hepatitis B vaccination coverage has fallen to beneath 30% in France due to concerns over safety.

Pubmed Data : J Clin Virol. 2009 Nov;46(3):202-5. Epub 2009 Aug 28. PMID: [19716764](#)

Article Published Date : Nov 01, 2009

Authors : Marta A Balinska

Study Type : Human Study

Additional Links

Diseases : Multiple Sclerosis : CK(964) : AC(184)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple sclerosis.

Pubmed Data : Med Hypotheses. 2006;66(1):84-6. Epub 2005 Sep 19. PMID: [16176857](#)

Article Published Date : Jan 01, 2006

Authors : Yannick Comenge, Marc Girard

Study Type : Commentary

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Pubmed Data : Clin Chim Acta. 2006 Feb;364(1-2):196-204. Epub 2005 Aug 10. PMID: [15638050](#)

Article Published Date : Feb 01, 2006

Authors : M R Geier, D A Geier

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Rheumatoid : CK(307) : AC(55), Autoimmune Diseases : CK(6629) : AC(1128), Glomerulonephritis : CK(33) : AC(10), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), Myelitis : CK(42) : AC(6), Optic Neuritis : CK(39) : AC(6), Pancytopenia : CK(12) : AC(2), Systemic Lupus Erythematosus : CK(466) : AC(67), Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination is associated with an increased risk of CNS inflammatory demyelination after 3 years of age.

Pubmed Data : Reprod Toxicol. 2002 May-Jun;16(3):237-43. PMID: [18843097](#)

Article Published Date : May 01, 2002

Authors : Yann Mikaeloff, Guillaume Caridade, Samy Suissa, Marc Tardieu

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Inflammation : CK(3240) : AC(882), Multiple Sclerosis : CK(964) : AC(184)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.

Pubmed Data : Neurology. 2004 Sep 14;63(5):838-42. PMID: [15365133](#)

Article Published Date : Sep 14, 2004

Authors : Miguel A Hernán, Susan S Jick, Michael J Olek, Hershel Jick

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Hepatitis B Vaccine : CK(30) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Neurological adverse events associated with vaccination.

Pubmed Data : Curr Opin Neurol. 2002 Jun ;15(3):333-8. PMID: [12045734](#)

Article Published Date : May 31, 2002

Authors : Sucheep Piyasirisilp, Thiravat Hemachudha

Study Type : Review

Additional Links

Diseases : Autism : CK(617) : AC(73) , Guillain-Barre Syndrome : CK(110) : AC(18) , Multiple Sclerosis : CK(964) : AC(184) , New Variant Creutzfeldt-Jakob Disease : CK(4) : AC(2) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Events : CK(35) : AC(5) , Vaccine Contaminants : CK(11) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78) , Thimerosal : CK(757) : AC(85)

Swine flu vaccine adjuvants may cause harm in patients with autoimmune diseases such as multiple sclerosis.

Pubmed Data : Med Hypotheses. 2010 Feb 18. Epub 2010 Feb 18. PMID: [20171793](#)

Article Published Date : Feb 18, 2010

Authors : Serefnur Oztürk

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128) , Multiple Sclerosis : CK(964) : AC(184)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

The demyelinating effect of hepatitis B vaccination could be due to the contamination of the vaccine by partial hepatitis B virus polymerase.

Pubmed Data : Med Hypotheses. 2005;65(3):509-20. PMID: [15908138](#)

Article Published Date : Jan 01, 2005

Authors : E Faure

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128) , Hepatitis B : CK(241) : AC(46) , Multiple Sclerosis : CK(964) : AC(184)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Vaccination may be contributing to autoimmune disease.

Pubmed Data : J Autoimmun. 2000 Feb;14(1):1-10. PMID: [10648110](#)

Article Published Date : Feb 01, 2000

Authors : Y Shoenfeld, A Aron-Maor

Study Type : Commentary

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159) , Autoimmune Diseases : CK(6629) : AC(1128), Multiple Sclerosis : CK(964) : AC(184) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Pubmed Data : Discov Med. 2010 Feb;9(45):90-7. PMID: [20193633](#)

Article Published Date : Feb 01, 2010

Authors : Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18), Human Papillomavirus (HPV) : CK(212) : AC(35), Inflammatory Myopathy : CK(31) : AC(4), Macrophagic myofasciitis : CK(36) : AC(7), Multiple Sclerosis : CK(964) : AC(184), Rheumatoid Arthritis : CK(706) : AC(117), Systemic Lupus Erythematosus : CK(466) : AC(67), Vaccine-induced Toxicity : CK(1325) : AC(194), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Haemophilus Influenzae : CK(25) : AC(4) , Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: HPV (Gardasil) : CK(150) : AC(22) , Vaccination: Influenza : CK(435) : AC(50) , Vaccination: Lyme disease : CK(11) : AC(2) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Rabies : CK(4) : AC(3) , Vaccination: Rotavirus : CK(33) : AC(6), Vaccination: Tetanus : CK(74) : AC(12) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).

Pubmed Data : JAMA Neurol. 2014 Dec ;71(12):1506-13. PMID: [25329096](#)

Article Published Date : Nov 30, 2014

Authors : Annette Langer-Gould, Lei Qian, Sara Y Tartof, Sonu M Brara, Steve J Jacobsen, Brandon E Beaber, Lina S Sy, Chun Chao, Rulin Hechter, Hung Fu Tseng

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Multiple Sclerosis : CK(964) : AC(184) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52), Neurotoxic : CK(1251) : AC(224)

Viruses (wild-type or recombinant vaccine-type) can silently prime for and trigger central nervous system autoimmune disease.

Pubmed Data : J Neurovirol. 2001 Jun;7(3):220-7. PMID: [11517396](#)

Article Published Date : Jun 01, 2001

Authors : D J Theil, I Tsunoda, F Rodriguez, J L Whitton, R S Fujinami

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Multiple Sclerosis : CK(964) : AC(184)

Additional Keywords : Diseases that are Linked : CK(2335) : AC(304)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Mumps (AC 5) (CK 53)

"Mumps outbreak among vaccinated university students associated with a large party, the Netherlands, 2010."

Pubmed Data : Vaccine. 2012 Jun 29 ;30(31):4676-80. Epub 2012 May 8. PMID: [22579874](#)

Article Published Date : Jun 28, 2012

Authors : Katie Greenland, Jane Whelan, Ewout Fanoy, Marjon Borgert, Koen Hulshof, Kioe-Bing Yap, Corien Swaan, Tjibbe Donker, Rob van Binnendijk, Hester de Melker, Susan Hahné

Study Type : Human: Case Report

Additional Links

Diseases : Mumps : CK(54) : AC(6)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

"The design and reporting of safety outcomes in MMR vaccine studies, both pre- and post-marketing, are largely inadequate. "

Pubmed Data : Cochrane Database Syst Rev. 2012 ;2:CD004407. Epub 2012 Feb 15. PMID:

[22336803](#)

Article Published Date : Dec 31, 2011

Authors : Vittorio Demicheli, Alessandro Rivetti, Maria Grazia Debalini, Carlo Di Pietrantonj

Study Type : Meta Analysis

Additional Links

Diseases : Measles : CK(291) : AC(33), Mumps : CK(54) : AC(6), Rubella : CK(54) : AC(4)

Additional Keywords : Lack Of Evidence Supporting Vaccines : CK(20) : AC(1), Vaccine Safety : CK(21) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Difficulties in eliminating measles and controlling rubella and mumps in a 99% measles vaccine compliant population.

Pubmed Data : PLoS One. 2014 ;9(2):e89361. Epub 2014 Feb 20. PMID: [24586717](#)

Article Published Date : Dec 31, 2013

Authors : Zhifang Wang, Rui Yan, Hanqing He, Qian Li, Guohua Chen, Shengxu Yang, Enfu Chen

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33), Mumps : CK(54) : AC(6), Rubella : CK(54) : AC(4)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Brachytherapy : CK(10) : AC(1), Vaccination: Measles : CK(252) : AC(31), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Fifty-one percent of cases of patients in a 1998/1999 mumps outbreak had at least one MMR vaccination, indicating their effectiveness may be overestimated.

Pubmed Data : Vaccine. 2005 Jul 1 ;23(31):4070-4. PMID: [15950329](#)

Article Published Date : Jun 30, 2005

Authors : Richard Harling, Joanne M White, Mary E Ramsay, Karen F Macsween, Corry van den Bosch

Study Type : Human Study

Additional Links

Diseases : Mumps : CK(54) : AC(6)

Anti Therapeutic Actions : Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Measles, mumps, and rubella catch up immunisation in a measles epidemic did not appear to confer protection and was associated with a variety of new side effects of the

vaccine.

Pubmed Data : BMJ. 1995 Jun 24 ;310(6995):1629-32. PMID: [7795447](#)

Article Published Date : Jun 23, 1995

Authors : R J Roberts, Q D Sandifer, M R Evans, M Z Nolan-Farrell, P M Davis

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33), Mumps : CK(54) : AC(6), Rubella : CK(54) : AC(4)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Myasthenia Gravis (AC 1) (CK 1)

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.

Pubmed Data : J Neurol Sci. 2010 May 15;292(1-2):1-4. Epub 2010 Mar 7. PMID: [20207367](#)

Article Published Date : May 15, 2010

Authors : Joerg-Patrick Stübgen

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Myasthenia Gravis : CK(82) : AC(14), Neuromuscular Diseases : CK(16) : AC(4), Neuropathies : CK(600) : AC(119), Polyarteritis Nodosa : CK(1) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Mycoplasma Infections (AC 2) (CK 11)

High antibody titres against predicted Mycoplasma surface proteins do not prevent sequestration in infected

lung tissue in the course of experimental contagious bovine pleuropneumonia.

Pubmed Data : Vet Microbiol. 2014 Aug 6 ;172(1-2):285-93. Epub 2014 May 5. PMID: [24880898](#)

Article Published Date : Aug 05, 2014

Authors : Elise Schieck, Anne Liljander, Carl Hamsten, Nimmo Gicheru, Massimo Scacchia, Flavio Sacchini, Martin Heller, Christiane Schnee, Anja Sterner-Kock, Andreas Hlinak, Jan Naessens, Jane Poole, Anja Persson, Joerg Jores

Study Type : Human Study

Additional Links

Diseases : [Mycoplasma Infections](#) : CK(14) : AC(5), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Additional Keywords : [Antibody Theory Of Vaccinology](#) : CK(75) : AC(5)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Mycoplasma testing of cell substrates and biologics is often not performed due to the long turn around.

Pubmed Data : Mol Cell Probes. 2011 Apr-Jun;25(2-3):69-77. Epub 2011 Jan 11. PMID: [21232597](#)

Article Published Date : Apr 01, 2011

Authors : Dmitriy V Volokhov, Laurie J Graham, Kurt A Brorson, Vladimir E Chizhikov

Study Type : Review

Additional Links

Diseases : [Mycoplasma Infections](#) : CK(14) : AC(5)

Additional Keywords : [Vaccine Risks: Mycoplasma](#) : CK(1) : AC(1), [Vaccine Safety](#) : CK(21) : AC(2)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Myelitis (AC 6) (CK 42)

Acute transverse myelitis after influenza vaccination has been reported.

Pubmed Data : J Neuroimaging. 1996 Oct;6(4):248-50. PMID: [8903080](#)

Article Published Date : Oct 01, 1996

Authors : R Bakshi, J C Mazziotta

Study Type : Human: Case Report

Additional Links

Diseases : [Myelitis](#) : CK(42) : AC(6), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Influenza](#) : CK(435) :

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Pubmed Data : Clin Chim Acta. 2006 Feb;364(1-2):196-204. Epub 2005 Aug 10. PMID: [15638050](#)

Article Published Date : Feb 01, 2006

Authors : M R Geier, D A Geier

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Rheumatoid : CK(307) : AC(55), Autoimmune Diseases : CK(6629) : AC(1128), Glomerulonephritis : CK(33) : AC(10), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), Myelitis : CK(42) : AC(6), Optic Neuritis : CK(39) : AC(6), Pancytopenia : CK(12) : AC(2), Systemic Lupus Erythematosus : CK(466) : AC(67), Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccine may induce myelitis in susceptible individuals.

Pubmed Data : Eur J Neurol. 2001 Nov;8(6):711-5. PMID: [11784358](#)

Article Published Date : Nov 01, 2001

Authors : F Karaali-Savrun, A Altintaş, S Saip, A Siva

Study Type : Human: Case Report

Additional Links

Diseases : Myelitis : CK(42) : AC(6)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Immune-mediated myelitis following hepatitis B vaccination has been reported.

Pubmed Data : Autoimmun Rev. 2012 Apr 1. Epub 2012 Apr 1. PMID: [22498789](#)

Article Published Date : Apr 01, 2012

Authors : Joerg-Patrick Stübgen

Study Type : Human: Case Report

Additional Links

Diseases : Myelitis : CK(42) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Vaccination is associated with a rare autoimmune neurological condition transverse myelitis.

Pubmed Data : Lupus. 2009 Nov;18(13):1198-204. PMID: [19880568](#)

Article Published Date : Nov 01, 2009

Authors : N Agmon-Levin, S Kivity, M Szyper-Kravitz, Y Shoenfeld

Study Type : Meta Analysis

Additional Links

Diseases : Myelitis : CK(42) : AC(6) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) ,
Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) :
AC(37)

ransverse myelitis has been reported in association with a nasal attenuated novel influenza A(H1N1) vaccine.

Pubmed Data : Arch Neurol. 2010 Aug;67(8):1018-20. PMID: [20697056](#)

Article Published Date : Aug 01, 2010

Authors : Wafa Akkad, Bassel Salem, Jerome W Freeman, Mark K Huntington

Study Type : Human: Case Report

Additional Links

Diseases : Myelitis : CK(42) : AC(6) , Swine Flu Associated Virus : CK(182) : AC(40)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) :
AC(50), Vaccination: Nasal : CK(3) : AC(1)

Myelodysplastic Syndrome (AC 1) (CK 3)

A case of hypersensitivity reaction, myelodysplastic syndrome and pancytopenia, which developed after an thimerosal-containing tetanus vaccine.

Pubmed Data : J Infect Dev Ctries. 2007 Dec 1 ;1(3):348-9. Epub 2007 Aug 1. PMID: [19734619](#)

Article Published Date : Nov 30, 2007

Authors : Hasan Karsen, Hayrettin Akdeniz, Mustafa H Karahocagil, Ali I Baran, Remzi Erten

Study Type : Human: Case Report

Additional Links

Diseases : [Myelodysplastic Syndrome](#) : CK(224) : AC(23)

Anti Therapeutic Actions : [Vaccination: Tetanus](#) : CK(74) : AC(12)

Problem Substances : [Thimerosal](#) : CK(757) : AC(85)

Myocarditis (AC 3) (CK 30)

An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly.

Pubmed Data : [J Rheumatol. 1994 Jul;21\(7\):1305-9. PMID: 18284356](#)

Article Published Date : Jul 01, 1994

Authors : Ismael R Ortega-Sanchez, Mercedes M Sniadack, Gina T Mootrey

Study Type : Human Study

Additional Links

Diseases : [Myocarditis](#) : CK(44) : AC(7), [Myopericarditis](#) : CK(40) : AC(4), [Pericarditis](#) : CK(35) : AC(5)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Smallpox](#) : CK(71) : AC(8)

Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States.

Pubmed Data : [Clin Infect Dis. 2008 Mar 15;46 Suppl 3:S242-50. PMID: 18284365](#)

Article Published Date : Mar 15, 2008

Authors : Juliette Morgan, Martha H Roper, Laurence Sperling, Richard A Schieber, James D Heffelfinger, Christine G Casey, Jacqueline W Miller, Scott Santibanez, Barbara Herwaldt, Paige Hightower, Pedro L Moro, Beth F Hibbs, Nancy H Levine, Louisa E Chapman, John Iskander, J Michael Lane, Melinda Wharton, Gina T Mootrey, David L Swerdlow

Study Type : Human Study

Additional Links

Diseases : [Myocarditis](#) : CK(44) : AC(7), [Myopericarditis](#) : CK(40) : AC(4), [Pericarditis](#) : CK(35) : AC(5)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Smallpox](#) : CK(71) : AC(8)

Smallpox vaccination has been associated with cardiac

complications such as myopericarditis.

Pubmed Data : South Med J. 2009 May 7. Epub 2009 May 7. PMID: [19434043](#)

Article Published Date : May 07, 2009

Authors : Luis F Mora, Akbar H Khan, Laurence S Sperling

Study Type : Human Study

Additional Links

Diseases : Myocarditis : CK(44) : AC(7) , Myopericarditis : CK(40) : AC(4) , Pericarditis : CK(35) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Smallpox : CK(71) : AC(8)

Myopathy: Inflammatory (AC 1) (CK 1)

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.

Pubmed Data : Med Hypotheses. 2009 Feb;72(2):135-9. Epub 2008 Nov 11. PMID: [19004564](#)

Article Published Date : Feb 01, 2009

Authors : Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier

Study Type : Commentary

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75) , Chronic Fatigue Syndrome : CK(275) : AC(40) , Myopathy: Inflammatory : CK(1) : AC(1) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Myopericarditis (AC 4) (CK 40)

Among US military personnel vaccinated against smallpox, myopericarditis occurred at a rate of 1 per 12,819 primary vaccinees, and 3.6 fold higher in those

without previous vaccinia vaccination.

Pubmed Data : JAMA. 2003 Jun 25;289(24):3283-9. PMID: [12824210](#)

Article Published Date : Jun 25, 2003

Authors : Jeffrey S Halsell, James R Riddle, J Edwin Atwood, Pierce Gardner, Robert Shope, Gregory A Poland, Gregory C Gray, Stephen Ostroff, Robert E Eckart, Duane R Hospenthal, Roger L Gibson, John D Grabenstein, Mark K Arness, David N Tornberg,

Study Type : Human Study

Additional Links

Diseases : Myopericarditis : CK(40) : AC(4)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Smallpox : CK(71) : AC(8)

An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly.

Pubmed Data : J Rheumatol. 1994 Jul;21(7):1305-9. PMID: [18284356](#)

Article Published Date : Jul 01, 1994

Authors : Ismael R Ortega-Sanchez, Mercedes M Sniadack, Gina T Mootrey

Study Type : Human Study

Additional Links

Diseases : Myocarditis : CK(44) : AC(7) , Myopericarditis : CK(40) : AC(4) , Pericarditis : CK(35) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Smallpox : CK(71) : AC(8)

Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States.

Pubmed Data : Clin Infect Dis. 2008 Mar 15;46 Suppl 3:S242-50. PMID: [18284365](#)

Article Published Date : Mar 15, 2008

Authors : Juliette Morgan, Martha H Roper, Laurence Sperling, Richard A Schieber, James D Heffelfinger, Christine G Casey, Jacqueline W Miller, Scott Santibanez, Barbara Herwaldt, Paige Hightower, Pedro L Moro, Beth F Hibbs, Nancy H Levine, Louisa E Chapman, John Iskander, J Michael Lane, Melinda Wharton, Gina T Mootrey, David L Swerdlow

Study Type : Human Study

Additional Links

Diseases : Myocarditis : CK(44) : AC(7) , Myopericarditis : CK(40) : AC(4) , Pericarditis : CK(35) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Smallpox : CK(71) : AC(8)

Smallpox vaccination has been associated with cardiac complications such as myopericarditis.

Pubmed Data : South Med J. 2009 May 7. Epub 2009 May 7. PMID: [19434043](#)

Article Published Date : May 07, 2009

Authors : Luis F Mora, Akbar H Khan, Laurence S Sperling

Study Type : Human Study

Additional Links

Diseases : Myocarditis : CK(44) : AC(7) , Myopericarditis : CK(40) : AC(4) , Pericarditis : CK(35) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Smallpox : CK(71) : AC(8)

Narcolepsy (AC 2) (CK 20)

An association between Pandemrix vaccination and narcolepsy has been observed in Finland and Sweden

Pubmed Data : Euro Surveill. 2014 ;19(17):15-25. Epub 2014 May 1. PMID: [24821121](#)

Article Published Date : Dec 31, 2013

Authors : D O'Flanagan, A S Barret, M Foley, S Cotter, C Bonner, C Crowe, B Lynch, B Sweeney, H Johnson, B McCoy, E Purcell

Study Type : Human Study

Additional Links

Diseases : Narcolepsy : CK(41) : AC(5) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

We consider it likely that pandemrix vaccination contributed to the increased incidence of narcolepsy in Finland in 2010 in HLA DQB1*0602 positive children.

Pubmed Data : PLoS One. 2012 ;7(3):e33723. Epub 2012 Mar 28. PMID: [22470463](#)

Article Published Date : Dec 31, 2011

Authors : Markku Partinen, Outi Saarenpää-Heikkilä, Ismo Ilveskoski, Christer Hublin, Miika Linna, Päivi Olsén, Pekka Nokelainen, Reija Alén, Tiina Wallden, Merimaaria Espo, Harri Rusanen, Jan Olme, Heli Sättilä, Harri Arikka, Pekka Kaipainen, Ilkka Julkunen, Turkka Kirjavainen

Study Type : Human Study

Additional Links

Diseases : Narcolepsy : CK(41) : AC(5) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Genomic Variation : CK(143) : AC(18) , Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Neuritis: Brachial Plexus (AC 1) (CK 1)

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

Pubmed Data : JAMA. 1994 May 25;271(20):1602-5. PMID: [8182813](#)

Article Published Date : May 25, 1994

Authors : K R Stratton, C J Howe, R B Johnston

Study Type : Review

Additional Links

Diseases : Anaphylaxis : CK(67) : AC(18) , Guillain-Barre Syndrome : CK(110) : AC(18) , Hepatitis B : CK(241) : AC(46) , Neuritis: Brachial Plexus : CK(1) : AC(1) , Poliomyelitis : CK(33) : AC(4) , Purpura: Thrombocytopenic : CK(231) : AC(25) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) , Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37) , Vaccination: Tetanus : CK(74) : AC(12)

Neurodevelopmental Disorders (AC 4) (CK 24)

Increasing organic Hg exposure from Thimerosal-containing vaccines increased the subsequent risk of pervasive developmental disorder diagnosis.

Pubmed Data : Biol Trace Elem Res. 2015 Feb ;163(1-2):28-38. Epub 2014 Nov 11. PMID: [25382662](#)

Article Published Date : Jan 31, 2015

Authors : David A Geier, Janet K Kern, Paul G King, Lisa K Sykes, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Neurodevelopmental Disorders : CK(217) : AC(33)

Additional Keywords : Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: Haemophilus Influenzae : CK(25) : AC(4)

Problem Substances : Thimerosal : CK(757) : AC(85)

Maturational changes in amygdala volume and the binding capacity of an opioid antagonist in the amygdala was significantly altered in infant macaques receiving the vaccine schedule.

Pubmed Data : Acta Neurobiol Exp (Wars). 2010 ;70(2):147-64. PMID: [20628439](#)

Article Published Date : Dec 31, 2009

Authors : Laura Hewitson, Brian J Lopresti, Carol Stott, N Scott Mason, Jaime Tomko

Study Type : Animal Study

Additional Links

Diseases : Amygdala: Damage/Abnormalities : CK(12) : AC(2), Neurodevelopmental Disorders : CK(217) : AC(33), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

Problem Substances : Thimerosal : CK(757) : AC(85)

This study supports an association between increasing exposure from thimerosal containing childhood vaccines and the subsequent risk of specific delays in development among males and females.

Pubmed Data : N Am J Med Sci. 2014 Oct ;6(10):519-31. PMID: [25489565](#)

Article Published Date : Sep 30, 2014

Authors : David A Geier, Janet K Kern, Brian S Hooker, Paul G King, Lisa K Sykes, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Neurodevelopmental Disorders : CK(217) : AC(33)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Problem Substances : Thimerosal : CK(757) : AC(85)

VAERS had significantly higher ORs than autism following thimerosal containing DTaP vaccines in comparison to

thimerosal free DTaP vaccines.

Pubmed Data : Behav Brain Res. 2011 Sep 30 ;223(1):107-18. Epub 2011 Apr 28. PMID: [21549155](#)

Article Published Date : Sep 29, 2011

Authors : Mieszko Olczak, Michalina Duszczyk, Pawel Mierzejewski, Ksenia Meyza, Maria Dorota Majewska

Study Type : Animal Study

Additional Links

Diseases : [Autism Spectrum Disorders](#) : CK(1493) : AC(159) , [Neurodevelopmental Disorders](#) : CK(217) : AC(33)

Anti Therapeutic Actions : [Vaccination: Diphtheria-Pertussis-Tetanus](#) : CK(315) : AC(36)

Problem Substances : [Thimerosal](#) : CK(757) : AC(85)

Neurological Conditions (AC 1) (CK 10)

Yellow fever vaccine may be linked to neurological problems via a molecular mimicry mechanism.

Pubmed Data : Front Neurol. 2016 ;7:130. Epub 2016 Aug 10. PMID: [27559330](#)

Article Published Date : Dec 31, 2015

Authors : Richard E Rosch, Michael Farquhar, Paul Gringras, Deb K Pal

Study Type : Human Study

Additional Links

Diseases : [Neurological Conditions](#) : CK(5) : AC(5)

Additional Keywords : [Molecular Mimicry](#) : CK(67) : AC(15)

Anti Therapeutic Actions : [Vaccination: Yellow Fever](#) : CK(13) : AC(2)

Neuromuscular Diseases (AC 1) (CK 1)

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.

Pubmed Data : J Neurol Sci. 2010 May 15;292(1-2):1-4. Epub 2010 Mar 7. PMID: [20207367](#)

Article Published Date : May 15, 2010

Authors : Joerg-Patrick Stübgen

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Myasthenia Gravis : CK(82) : AC(14), Neuromuscular Diseases : CK(16) : AC(4), Neuropathies : CK(600) : AC(119), Polyarteritis Nodosa : CK(1) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Neuromyelitis Optica (AC 1) (CK 1)

Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination.

Pubmed Data : J Clin Neurosci. 2008 Dec;15(12):1315-22. Epub 2008 Oct 30. PMID: [18976924](#)

Article Published Date : Dec 01, 2008

Authors : William Huynh, Dennis J Cordato, Elias Kehdi, Lynette T Masters, Chris Dedousis

Study Type : Commentary

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Encephalomyelitis : CK(24) : AC(15), Neuromyelitis Optica : CK(22) : AC(5), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Neuropathies (AC 1) (CK 1)

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.

Pubmed Data : J Neurol Sci. 2010 May 15;292(1-2):1-4. Epub 2010 Mar 7. PMID: [20207367](#)

Article Published Date : May 15, 2010

Authors : Joerg-Patrick Stübgen

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Myasthenia Gravis : CK(82) : AC(14), Neuromuscular Diseases : CK(16) : AC(4), Neuropathies : CK(600) : AC(119), Polyarteritis Nodosa : CK(1) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Neuropathy: Small Fiber (AC 1) (CK 10)

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.

Pubmed Data : Vaccine. 2009 Dec 9;27(52):7322-5. Epub 2009 Oct 4. PMID: [19808027](#)

Article Published Date : Dec 09, 2009

Authors : Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin

Study Type : Human Study

Additional Links

Diseases : Lyme Disease : CK(58) : AC(14), Neuropathy: Small Fiber : CK(10) : AC(1), Rabies : CK(13) : AC(3), Vaccine-induced Toxicity : CK(1325) : AC(194), Varicella : CK(50) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

New Variant Creutzfeldt-Jakob Disease (AC 1) (CK 1)

Neurological adverse events associated with vaccination.

Pubmed Data : Curr Opin Neurol. 2002 Jun ;15(3):333-8. PMID: [12045734](#)

Article Published Date : May 31, 2002

Authors : Suchee Piyasirisilp, Thiravat Hemachudha

Study Type : Review

Additional Links

Diseases : Autism : CK(617) : AC(73) , Guillain-Barre Syndrome : CK(110) : AC(18) , Multiple Sclerosis : CK(964) : AC(184), New Variant Creutzfeldt-Jakob Disease : CK(4) : AC(2) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Events : CK(35) : AC(5) , Vaccine Contaminants : CK(11) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78) , Thimerosal : CK(757) : AC(85)

Non-polio acute flaccid paralysis (NPAFP) (AC 3) (CK 12)

In 2011, there were an extra 47,500 new cases of non-polio acute flaccid paralysis (NPAFP); Clinically indistinguishable from polio paralysis but twice as deadly, the incidence of NPAFP was directly proportional to doses of oral polio received.

Pubmed Data : Indian J Med Ethics. 2012 Apr-Jun;9(2):114-7. PMID: [22591873](#)

Article Published Date : Apr 01, 2012

Authors : Neetu Vashisht, Jacob Puliyel

Study Type : Review

Additional Links

Diseases : Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3) , Poliomyelitis : CK(33) : AC(4) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Polio : CK(98) : AC(17)

Over 40,000 cases of AFP are reported annually since 2007 regardless of the number of actual polio cases.

Pubmed Data : BMC Public Health. 2012 ;12:229. Epub 2012 Mar 22. PMID: [22439606](#)

Article Published Date : Jan 01, 2012

Authors : Rie R Yotsu, Katharine Abba, Helen Smith, Abhijit Das

Study Type : Review

Additional Links

Diseases : Acute Flaccid Paralysis : CK(14) : AC(4) , Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Polio : CK(98) : AC(17)

Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary.

Pubmed Data : Am J Epidemiol. 2011 Aug 1 ;174(3):316-25. Epub 2011 Jun 17. PMID: [21685412](#)

Article Published Date : Jul 31, 2011

Authors : Concepción F Estívariz, Zsuzsanna Molnár, Linda Venczel, Beatrix Kapusinszky, James A Zingeser, Galina Y Lipskaya, Olen M Kew, György Berencsi, Agnes Csohán

Study Type : Human Study

Additional Links

Diseases : Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3) , Poliomyelitis : CK(33) : AC(4) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Oral Polio Vaccine : CK(24) : AC(4), Vaccination: Oral Polio Vaccine, Bivalent : CK(10) : AC(1) , Vaccination: Polio : CK(98) : AC(17)

Obesity (AC 1) (CK 10)

Increased organic mercury exposure from Thimerosal-containing hepatitis B vaccines could lead to an increased risk of obesity diagnosis.

Pubmed Data : N Am J Med Sci. 2016 Jul ;8(7):297-306. PMID: [27583238](#)

Article Published Date : Jun 30, 2016

Authors : David A Geier, Janet K Kern, Kristin G Homme, Lisa K Sykes, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Obesity : CK(2443) : AC(521)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Problem Substances : Thimerosal : CK(757) : AC(85)

Adverse Pharmacological Actions : Obesogenic : CK(73) : AC(14)

Optic Neuritis (AC 5) (CK 29)

Acute optic neuritis is a rare complication of MR vaccination and may occur early after immunization.

Pubmed Data : J Ophthalmic Vis Res. 2008 Apr ;3(2):118-22. PMID: [23479534](#)

Article Published Date : Mar 31, 2008

Authors : Siamak Moradian, Hamid Ahmadi

Study Type : Human: Case Report

Additional Links

Diseases : Optic Neuritis : CK(39) : AC(6)

Anti Therapeutic Actions : Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Pubmed Data : Clin Chim Acta. 2006 Feb;364(1-2):196-204. Epub 2005 Aug 10. PMID: [15638050](#)

Article Published Date : Feb 01, 2006

Authors : M R Geier, D A Geier

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Rheumatoid : CK(307) : AC(55), Autoimmune Diseases : CK(6629) : AC(1128), Glomerulonephritis : CK(33) : AC(10), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), Myelitis : CK(42) : AC(6), Optic Neuritis : CK(39) : AC(6), Pancytopenia : CK(12) : AC(2), Systemic Lupus Erythematosus : CK(466) : AC(67), Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Pubmed Data : Autoimmunity. 2005 Jun;38(4):295-301. PMID: [16206512](#)

Article Published Date : Jun 01, 2005

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Alopecia : CK(146) : AC(32), Arthritis : CK(1964) : AC(312), Hepatitis B : CK(241) : AC(46), Lupus Erythematosus: Systemic : CK(486) : AC(69), Optic Neuritis : CK(39) : AC(6), Rheumatoid Arthritis : CK(706) : AC(117), Thrombocytopenia : CK(234) : AC(26), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Optic neuritis following hepatitis B vaccination has been reported. n

Pubmed Data : J Chin Med Assoc. 2009 Nov;72(11):594-7. PMID: [19948437](#)

Article Published Date : Nov 01, 2009

Authors : Muferet Erguven, Sirin Guven, Umit Akyuz, Olcay Bilgiç, Fuat Laloglu

Study Type : Human: Case Report

Additional Links

Diseases : Optic Neuritis : CK(39) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

This patient developed optic neuritis about five days after being given a dose of MMR vaccine.

Pubmed Data : Case Rep Ophthalmol Med. 2016 ;2016:8740264. Epub 2016 Apr 19. PMID: [27195163](#)

Article Published Date : Dec 31, 2015

Authors : Chiara De Giacinto, Elvira Guaglione, Pia E Leon, Rossella D'Aloisio, Odilla Vattovani, Giuseppe Ravalico, Daniele Tognetto

Study Type : Human: Case Report

Additional Links

Diseases : Optic Neuritis : CK(39) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Antibody Titers : CK(13) : AC(2)

Anti Therapeutic Actions : Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Orchitis (AC 1) (CK 10)

Mumps orchitis occurs vaccinated postpubertal males.

Pubmed Data : Korean J Urol. 2012 Dec ;53(12):865-9. Epub 2012 Dec 20. PMID: [23301132](#)

Article Published Date : Nov 30, 2012

Authors : Bum Sik Tae, Byeong Kuk Ham, Jae Heon Kim, Jae Young Park, Jae Hyun Bae

Study Type : Human Study

Additional Links

Diseases : [Orchitis](#) : CK(12) : AC(2)

Anti Therapeutic Actions : [Vaccination: Measles](#) : CK(252) : AC(31)

Ovarian Failure (AC 1) (CK 3)

"Human papilloma virus vaccine and primary ovarian failure: another facet of the autoimmune/inflammatory syndrome induced by adjuvants."

Pubmed Data : Am J Reprod Immunol. 2013 Oct ;70(4):309-16. Epub 2013 Jul 31. PMID: [23902317](#)

Article Published Date : Sep 30, 2013

Authors : Serena Colafrancesco, Carlo Perricone, Lucija Tomljenovic, Yehuda Shoenfeld

Study Type : Human: Case Report

Additional Links

Diseases : [Ovarian Failure](#) : CK(29) : AC(6)

Anti Therapeutic Actions : [Vaccination: HPV \(Gardasil\)](#) : CK(150) : AC(22)

Oxidative Stress (AC 1) (CK 2)

Coriandrum sativum has antioxidant activity.

Pubmed Data : J Nutr Biochem. 2009 Nov;20(11):901-8. Epub 2008 Nov 6. PMID: [10549163](#)

Article Published Date : Nov 01, 2009

Authors : V Chithra, S Leelamma

Study Type : Animal Study

Additional Links

Substances : [Coriandrum sativum](#) : CK(51) : AC(26)

Diseases : [Oxidative Stress](#) : CK(3871) : AC(1382)

Pharmacological Actions : Antioxidants : CK(7529) : AC(2682)
Anti Therapeutic Actions : Vaccination: Tetanus : CK(74) : AC(12)

Pancreatitis (AC 1) (CK 3)

This case of acute pancreatitis after HPV vaccination is not a novel entity.

Pubmed Data : Immunol Res. 2016 Jul 16. Epub 2016 Jul 16. PMID: [27421720](#)

Article Published Date : Jul 15, 2016

Authors : Mojca Bizjak, Or Bruck, Sonja Praprotnik, Shani Dahan, Yehuda Shoenfeld

Study Type : Human: Case Report

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Pancreatitis : CK(233) : AC(60)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Pancytopenia (AC 1) (CK 10)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Pubmed Data : Clin Chim Acta. 2006 Feb;364(1-2):196-204. Epub 2005 Aug 10. PMID: [15638050](#)

Article Published Date : Feb 01, 2006

Authors : M R Geier, D A Geier

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Rheumatoid : CK(307) : AC(55), Autoimmune Diseases : CK(6629) : AC(1128), Glomerulonephritis : CK(33) : AC(10), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), Myelitis : CK(42) : AC(6), Optic Neuritis : CK(39) : AC(6), Pancytopenia : CK(12) : AC(2), Systemic Lupus Erythematosus : CK(466) : AC(67), Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Parapertussis (AC 2) (CK 13)

"Primary infections with either *B. pertussis* or *Bordetella parapertussis* stimulated a vigorous antibody response to ACT. In contrast, patients in whom DTP and DTaP vaccines failed had minimal ACT antibody responses."

Pubmed Data : Clin Infect Dis. 2004 Feb 15 ;38(4):502-7. Epub 2004 Jan 29. PMID: [14765342](#)

Article Published Date : Feb 14, 2004

Authors : James D Cherry, Dorothy X L Xing, Penny Newland, Kashmira Patel, Ulrich Heininger, Michael J Corbel

Study Type : Human Study

Additional Links

Diseases : [Parapertussis](#) : CK(13) : AC(2), [Whooping Cough](#) : CK(147) : AC(22)

Additional Keywords : [Vaccine Failure](#) : CK(255) : AC(32)

Anti Therapeutic Actions : [Vaccination: Pertussis](#) : CK(148) : AC(25)

A case report of a 5-year-old, fully immunized boy with PCR proven consecutive *B. pertussis* and *B. parapertussis* infections.

Pubmed Data : Pediatr Infect Dis J. 2016 Jul 6. Epub 2016 Jul 6. PMID: [27391699](#)

Article Published Date : Jul 05, 2016

Authors : Ulrich Heininger, Detlef Schlassa

Study Type : Human: Case Report

Additional Links

Diseases : [Parapertussis](#) : CK(13) : AC(2), [Pertussis](#) : CK(123) : AC(23), [Whooping Cough](#) : CK(147) : AC(22)

Anti Therapeutic Actions : [Vaccination: Pertussis](#) : CK(148) : AC(25)

Parapneumonic Empyema (AC 1) (CK

10)

There has been a five-fold increase in pediatric parapneumonic empyema since introduction of pneumococcal conjugate vaccine.

Pubmed Data : Pediatr Infect Dis J. 2008 Nov;27(11):1030-2. PMID: [18845981](#)

Article Published Date : Nov 01, 2008

Authors : Debra J Hendrickson, Dean A Blumberg, Jesse P Joad, Sanjay Jhavar, Ruth J McDonald

Study Type : Human Study

Additional Links

Diseases : Childhood Infections : CK(275) : AC(29) , Empyema : CK(10) : AC(1) , Parapneumonic Empyema : CK(10) : AC(1) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Pneumococcal : CK(71) : AC(8)

Parkinsonian Disorders (AC 1) (CK 3)

Measles vaccine and glyphosate-induced parkinsonism has been reported.

Pubmed Data : Arq Neuropsiquiatr. 2003 Jun ;61(2B):381-6. Epub 2003 Jul 28. PMID: [12894271](#)

Article Published Date : Jun 01, 2003

Authors : Maria do Desterro Leiros da Costa, Lílian Regina Gonçalves, Egberto Reis Barbosa, Luiz Alberto Bacheschi

Study Type : Human: Case Report

Additional Links

Diseases : Glyphosate Toxicity : CK(76) : AC(30) , Parkinsonian Disorders : CK(25) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31)

Problem Substances : Glyphosate : CK(502) : AC(160)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

Pericarditis (AC 3) (CK 30)

An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly.

Pubmed Data : J Rheumatol. 1994 Jul;21(7):1305-9. PMID: [18284356](#)

Article Published Date : Jul 01, 1994

Authors : Ismael R Ortega-Sanchez, Mercedes M Sniadack, Gina T Mootrey

Study Type : Human Study

Additional Links

Diseases : Myocarditis : CK(44) : AC(7) , Myopericarditis : CK(40) : AC(4) , Pericarditis : CK(35) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Smallpox : CK(71) : AC(8)

Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States.

Pubmed Data : Clin Infect Dis. 2008 Mar 15;46 Suppl 3:S242-50. PMID: [18284365](#)

Article Published Date : Mar 15, 2008

Authors : Juliette Morgan, Martha H Roper, Laurence Sperling, Richard A Schieber, James D Heffelfinger, Christine G Casey, Jacqueline W Miller, Scott Santibanez, Barbara Herwaldt, Paige Hightower, Pedro L Moro, Beth F Hibbs, Nancy H Levine, Louisa E Chapman, John Iskander, J Michael Lane, Melinda Wharton, Gina T Mootrey, David L Swerdlow

Study Type : Human Study

Additional Links

Diseases : Myocarditis : CK(44) : AC(7) , Myopericarditis : CK(40) : AC(4) , Pericarditis : CK(35) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Smallpox : CK(71) : AC(8)

Smallpox vaccination has been associated with cardiac complications such as myopericarditis.

Pubmed Data : South Med J. 2009 May 7. Epub 2009 May 7. PMID: [19434043](#)

Article Published Date : May 07, 2009

Authors : Luis F Mora, Akbar H Khan, Laurence S Sperling

Study Type : Human Study

Additional Links

Diseases : Myocarditis : CK(44) : AC(7) , Myopericarditis : CK(40) : AC(4) , Pericarditis : CK(35) : AC(5)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Smallpox : CK(71) : AC(8)

Peripheral Neuropathies (AC 1) (CK 1)

Influenza vaccines may induce hepatitis-B virus-related vasculitis and severe neuropathy.

Pubmed Data : J Cardiovasc Pharmacol. 2003 Sep;42(3):329-38. PMID: [18579284](#)

Article Published Date : Sep 01, 2003

Authors : Yuko Wada, Chie Yanagihara, Yo Nishimura, Nobuyuki Oka

Study Type : Commentary

Additional Links

Diseases : Peripheral Neuropathies : CK(214) : AC(35) , Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Pertussis (AC 13) (CK 70)

A case report of a 5-year-old, fully immunized boy with PCR proven consecutive B. pertussis and B. parapertussis infections.

Pubmed Data : Pediatr Infect Dis J. 2016 Jul 6. Epub 2016 Jul 6. PMID: [27391699](#)

Article Published Date : Jul 05, 2016

Authors : Ulrich Heininger, Detlef Schlassa

Study Type : Human: Case Report

Additional Links

Diseases : Parapertussis : CK(13) : AC(2) , Pertussis : CK(123) : AC(23) , Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: Pertussis : CK(148) : AC(25)

DPT vaccines have been associated with recurrent seizures.

Pubmed Data : Am J Dis Child. 1984 Oct;138(10):908-11. PMID: [6206715](#)

Article Published Date : Oct 01, 1984

Authors : J V Murphy, L D Sarff, K M Marquardt

Study Type : Human Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23), Seizures : CK(190) : AC(55), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Despite high coverage rates for primary immunization in infants and children pertussis incidence rates are increasing.

Pubmed Data : Pediatr Infect Dis J. 2005 May;24(5 Suppl):S10-8. PMID: [15876918](#)

Article Published Date : May 01, 2005

Authors : Tina Tan, Evelinda Trindade, Danuta Skowronski

Study Type : Review

Additional Links

Diseases : Pertussis : CK(123) : AC(23)

Additional Keywords : Vaccine Resistance : CK(11) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Pertussis : CK(148) : AC(25)

Despite the CDC's current recommendation to vaccinate postpartum women before hospital discharge with the tetanus and diphtheria toxoids and acellular pertussis (Tdap) vaccine in order to prevent pertussis infection in their offspring, it does not reduce

Pubmed Data : Clin Infect Dis. 2011 Nov 10. Epub 2011 Nov 10. PMID: [22075790](#)

Article Published Date : Nov 10, 2011

Authors : Luis A Castagnini, C Mary Healy, Marcia A Rench, Susan H Wootton, Flor M Munoz, Carol J Baker

Study Type : Human Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Pertussis : CK(148) : AC(25), Vaccination: Tetanus

: CK(74) : AC(12)

In Kings County Washington, between 2002-2007, of the 176 confirmed cases of pertussis in infants under age 1 seventy-seven percent were age-appropriately vaccinated.

Pubmed Data : Arch Pediatr Adolesc Med. 2011 Jul ;165(7):647-52. PMID: [21727277](#)

Article Published Date : Jul 01, 2011

Authors : Matthew P Hanson, Tao S Kwan-Gett, Atar Baer, Krista Rietberg, Mara Ohrt, Jeffrey S Duchin

Study Type : Human Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23)

Additional Keywords : Vaccine Resistance : CK(11) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pertussis : CK(148) : AC(25)

Lactobacillus bulgaricus contains a substance which may improve immunogenicity and reduce the toxicity of pertussis vaccination (whooping cough vaccine).

Pubmed Data : Zh Mikrobiol Epidemiol Immunobiol. 1986 Jan;(1):62-5. PMID: [3705806](#)

Article Published Date : Jan 01, 1986

Authors : I B Shepeleva, N S Zakharova, T N Remova, I G Bazhanova, M V Britsina

Study Type : Animal Study

Additional Links

Substances : Lactobacillus bulgaricus : CK(35) : AC(8)

Diseases : Pertussis : CK(123) : AC(23) , Whooping Cough : CK(147) : AC(22)

Additional Keywords : Vaccine Side Effect Attenuation : CK(2) : AC(1)

Anti Therapeutic Actions : Vaccination: Pertussis : CK(148) : AC(25)

Pathogen adaptation has contributed to the resurgence of pertussis.

Pubmed Data : Genome Announc. 2015;3(6). Epub 2015 Nov 25. PMID: [26607899](#)

Article Published Date : Dec 31, 2014

Authors : Marieke J Bart, Han G J van der Heide, Anne Zeddeman, Kees Heuvelman, Marjolein van Gent, Frits R Mooi

Study Type : In Vitro Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) ,
Vaccination: Pertussis : CK(148) : AC(25)

Pertussis epidemic despite high levels of vaccination coverage with acellular pertussis vaccine.

Article Published Date : Nov 07, 2013

Authors : Maria-Rosa Sala-Farré, César Arias-Varela, Assumpta Recasens-Recasens, Maria Simó-Sanahuja, Carmen Muñoz-Almagro, Josefa Pérez-Jové

Study Type : Human Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23) , Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Since the 1993 pertussis epidemic in Cincinnati occurred primarily among children who had been appropriately immunized, it is clear that the whole-cell pertussis vaccine failed to give full protection against the disease.

Pubmed Data : N Engl J Med. 1994 Jul 7;331(1):16-21. PMID: [8202096](#)

Article Published Date : Jul 07, 1994

Authors : C D Christie, M L Marx, C D Marchant, S F Reising

Study Type : Human Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23) , Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Pertussis : CK(148) : AC(25)

The study results can be interpreted as a partial genetic escape of pathogenic strains of B. pertussis beyond the reach of the pertussis vaccines.

Pubmed Data : Epidemiol Mikrobiol Imunol. 2015 ;64(3):130-8. PMID: [26448300](#)

Article Published Date : Dec 31, 2014

Authors : J Zavadilová, D Lžičařová, M Musílek, P Křížová, K Fabiánová

Study Type : In Vitro Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23) , Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: Pertussis : CK(148) : AC(25)

These results suggest that the immune pressure of vaccination is one major driving force for the evolution of *B. pertussis*.

Pubmed Data : Sci Rep. 2015 ;5:12888. Epub 2015 Aug 18. PMID: [26283022](#)

Article Published Date : Dec 31, 2014

Authors : Yinghua Xu, Bin Liu, Kirsi Gröndahl-Yli-Hannuksila, Yajun Tan, Lu Feng, Teemu Kallonen, Lichan Wang, Ding Peng, Qiushui He, Lei Wang, Shumin Zhang

Study Type : In Vitro Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: Pertussis : CK(148) : AC(25)

Underestimation of central nervous system complications after pertussis immunization appears to be prevalent.

Pubmed Data : Acta Paediatr Jpn. 1991 Aug;33(4):421-7. PMID: [1792899](#)

Article Published Date : Aug 01, 1991

Authors : W Ehrengut

Study Type : Review

Additional Links

Diseases : Pertussis : CK(123) : AC(23)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Pertussis : CK(148) : AC(25)

Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants.

Pubmed Data : Emerg Infect Dis. 2000 Sep-Oct;6(5):526-9. PMID: [10998384](#)

Article Published Date : Sep 01, 2000

Authors : I Srugo, D Benilevi, R Madeb, S Shapiro, T Shohat, E Somekh, Y Rimmar, V Gershtein, R Gershtein, E Marva, N Lahat

Study Type : Human Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23), Vaccine-induced Toxicity : CK(1325) : AC(194), Whooping Cough : CK(147) : AC(22)

Additional Keywords : Reservoirs For Infection : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Pertussis : CK(148) : AC(25)

Pharyngeal Diseases (AC 1) (CK 10)

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.

Pubmed Data : Ann Epidemiol. 2001 Jan;11(1):13-21. PMID: [11164115](#)

Article Published Date : Jan 01, 2001

Authors : M A Fisher, S A Eklund, S A James, X Lin

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Juvenile Chronic : CK(10) : AC(1), Arthritis: Juvenile Idiopathic : CK(20) : AC(2), Arthritis: Juvenile Rheumatoid : CK(29) : AC(5), Ear Infection : CK(306) : AC(42), Pharyngeal Diseases : CK(20) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Pneumococcal Infections (AC 5) (CK 41)

Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants.

Pubmed Data : Braz J Infect Dis. 2009 Apr;13(2):104-6. PMID: [20140352](#)

Article Published Date : Apr 01, 2009

Authors : Claudia R C Lopes, Eitan N Berezin, Ting Hui Ching, Jaildo de Souza Canuto, Vanilda Oliveira da Costa, Erika Monteiro Klering

Study Type : Human Study

Additional Links

Diseases : Infant Infections : CK(410) : AC(44), Pneumococcal Infections : CK(52) : AC(12), Upper Respiratory Infections : CK(950) : AC(114)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Pneumococcal : CK(71) : AC(8)

Pneumococcal conjugate vaccine is not effective to prevent ear infections in previously unvaccinated toddlers and children with a history of recurrent ear infections.

Pubmed Data : Lancet. 2003 Jun 28;361(9376):2189-95. PMID: [12842372](#)

Article Published Date : Jun 28, 2003

Authors : Reinier Veenhoven, Debby Bogaert, Cuno Uiterwaal, Carole Brouwer, Herma Kiezebrink, Jacob Bruin, Ed IJzerman, Peter Hermans, Ronald de Groot, Ben Zegers, Wietse Kuis, Ger Rijkers, Anne Schilder, Elisabeth Sanders

Study Type : Human Study

Additional Links

Diseases : Ear Infection : CK(306) : AC(42) , Pneumococcal Infections : CK(52) : AC(12)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pneumococcal : CK(71) : AC(8)

Pneumococcal vaccines are ineffective in children with a history of recurrent acute ear infections - Article 2.

Pubmed Data : Int J Pediatr Otorhinolaryngol. 2006 Feb;70(2):275-85. Epub 2005 Sep 2. PMID: [16140397](#)

Article Published Date : Feb 01, 2006

Authors : Muriel J P van Kempen, Judith S Vermeiren, Mario Vaneechoutte, Geert Claeys, Reinier H Veenhoven, Ger T Rijkers, Elisabeth A M Sanders, Ingeborg J Dhooge

Study Type : Human Study

Additional Links

Diseases : Pneumococcal Infections : CK(52) : AC(12)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pneumococcal : CK(71) : AC(8)

Pneumococcal vaccines do not appear to reduce the risk of death from pneumonia in adult populations.

Pubmed Data : Cochrane Database Syst Rev. 2003(4):CD000422. PMID: [14583920](#)

Article Published Date : Jan 01, 2003

Authors : K Dear, J Holden, R Andrews, D Tatham

Study Type : Human Study

Additional Links

Diseases : Pneumococcal Infections : CK(52) : AC(12) , Pneumonia : CK(409) : AC(55)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pneumococcal : CK(71) : AC(8)

Review: based on currently available research pneumococcal vaccination should not be recommended for large scale use in ear infection prone populations.

Pubmed Data : Cochrane Database Syst Rev. 2002(2):CD001480. PMID: [12076412](#)

Article Published Date : Jan 01, 2002

Authors : M Straetemans, E A Sanders, R H Veenhoven, A G Schilder, R A Damoiseaux, G A Zielhuis

Study Type : Review

Additional Links

Diseases : Ear Infection : CK(306) : AC(42), Pneumococcal Infections : CK(52) : AC(12)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Pneumococcal : CK(71) : AC(8)

Pneumonia (AC 4) (CK 41)

Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia.

Pubmed Data : Cochrane Database Syst Rev. 2010(2):CD005187. Epub 2010 Feb 17. PMID: [20166073](#)

Article Published Date : Jan 01, 2010

Authors : Roger E Thomas, Tom Jefferson, Toby J Lasserson

Study Type : Meta Analysis

Additional Links

Diseases : Elderly: Age Specific Diseases : CK(442) : AC(38), Influenza : CK(789) : AC(123), Pneumonia : CK(409) : AC(55)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Pneumococcal vaccines do not appear to reduce the risk of death from pneumonia in adult populations.

Pubmed Data : Cochrane Database Syst Rev. 2003(4):CD000422. PMID: [14583920](#)

Article Published Date : Jan 01, 2003

Authors : K Dear, J Holden, R Andrews, D Tatham

Study Type : Human Study

Additional Links

Diseases : Pneumococcal Infections : CK(52) : AC(12) , Pneumonia : CK(409) : AC(55)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pneumococcal : CK(71) : AC(8)

Undernutrition as an underlying cause of child deaths associated with diarrhea, pneumonia, malaria, and measles.

Pubmed Data : Am J Clin Nutr. 2004 Jul ;80(1):193-8. PMID: [15213048](#)

Article Published Date : Jun 30, 2004

Authors : Laura E Caulfield, Mercedes de Onis, Monika Blössner, Robert E Black

Study Type : Human Study

Additional Links

Diseases : Diarrhea : CK(612) : AC(83) , Malaria : CK(145) : AC(58) , Measles : CK(291) : AC(33) , Pneumonia : CK(409) : AC(55)

Additional Keywords : Undernourishment And Susceptibility To Infectious Disease : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccine-induced anti-HA2 antibodies promote virus fusion and enhance influenza virus respiratory disease.

Pubmed Data : Sci Transl Med. 2013 Aug 28 ;5(200):200ra114. PMID: [23986398](#)

Article Published Date : Aug 27, 2013

Authors : Surender Khurana, Crystal L Loving, Jody Manischewitz, Lisa R King, Phillip C Gauger, Jamie Henningson, Amy L Vincent, Hana Golding

Study Type : In Vitro Study

Additional Links

Diseases : Influenza A : CK(387) : AC(101) , Lower Respiratory Infections : CK(12) : AC(3) , Pneumonia : CK(409) : AC(55)

Additional Keywords : Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Pneumonitis (AC 1) (CK 3)

A case of lethal status epilepticus and lymphocytic pneumonitis has been reported.

Pubmed Data : Eur J Intern Med. 2008 Jul;19(5):383-5. Epub 2007 Dec 4. PMID: [18549949](#)

Article Published Date : Jul 01, 2008

Authors : Jozélio Freire de Carvalho, Yehuda Shoenfeld

Study Type : Human: Case Report

Additional Links

Diseases : Epilepsy : CK(255) : AC(66) , Pneumonitis : CK(18) : AC(4)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Polio (AC 4) (CK 17)

"Outbreak of paralytic poliomyelitis in Oman: evidence for widespread transmission among fully vaccinated children."

Pubmed Data : Lancet. 1991 Sep 21 ;338(8769):715-20. PMID: [1679866](#)

Article Published Date : Sep 20, 1991

Authors : R W Sutter, P A Patriarca, S Brogan, P G Malankar, M A Pallansch, O M Kew, A G Bass, S L Cochi, J P Alexander, D B Hall

Study Type : Human: Case Report

Additional Links

Diseases : Polio : CK(19) : AC(8) , Polio: Vaccine-Related : CK(14) : AC(4) , Poliomyelitis : CK(33) : AC(4)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Oral Polio Vaccine : CK(24) : AC(4)

Case report: failure to clear persistent vaccine-derived neurovirulent poliovirus infection in an immunodeficient man.

Pubmed Data : Lancet. 2004 May 8 ;363(9420):1509-13. PMID: [15135598](#)

Article Published Date : May 07, 2004

Authors : Calman MacLennan, Glynis Dunn, Aarnoud P Huissoon, Dinakantha S Kumararatne, Javier Martin, Paula O'Leary, Ronald A Thompson, Husam Osman, Philip Wood, Philip Minor, David J Wood, Deenan Pillay

Study Type : Human: Case Report

Additional Links

Diseases : Polio : CK(19) : AC(8)

Pharmacological Actions : Antiviral Agents : CK(938) : AC(433)

Anti Therapeutic Actions : [Vaccination: Polio : CK\(98\) : AC\(17\)](#)

The oral polio vaccine is unlikely to be able to eradicate polio from India.

Pubmed Data : Vaccine. 2008 Apr 16 ;26(17):2058-61. Epub 2008 Mar 14. PMID: [18378367](#)

Article Published Date : Apr 16, 2008

Authors : Yash Paul

Study Type : Human Study

Additional Links

Diseases : [Polio : CK\(19\) : AC\(8\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#) , [Vaccination: Polio : CK\(98\) : AC\(17\)](#)

Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent recombination events and mutations.

Pubmed Data : J Infect Dis. 2012 May 1 ;205(9):1363-73. Epub 2012 Mar 29. PMID: [22457288](#)

Article Published Date : May 01, 2012

Authors : Marie-Line Joffret, Sophie Jégouic, Maël Bessaud, Jean Balanant, Coralie Tran, Valerie Caro, Barbara Holmblat, Richter Razafindratsimandresy, Jean-Marc Reynes, Mala Rakoto-Andrianarivelo, Francis Delpeyroux

Study Type : Review

Additional Links

Diseases : [Polio : CK\(19\) : AC\(8\)](#) , [Polio: Vaccine-Related : CK\(14\) : AC\(4\)](#) , [Vaccine-induced Toxicity : CK\(1325\) : AC\(194\)](#)

Anti Therapeutic Actions : [Vaccination: Polio : CK\(98\) : AC\(17\)](#)

Polio: Vaccine-Related (AC 3) (CK 14)

"Outbreak of paralytic poliomyelitis in Oman: evidence for widespread transmission among fully vaccinated children."

Pubmed Data : Lancet. 1991 Sep 21 ;338(8769):715-20. PMID: [1679866](#)

Article Published Date : Sep 20, 1991

Authors : R W Sutter, P A Patriarca, S Brogan, P G Malankar, M A Pallansch, O M Kew, A G Bass, S L Cochi, J P Alexander, D B Hall

Study Type : Human: Case Report

Additional Links

Diseases : [Polio](#) : CK(19) : AC(8), [Polio: Vaccine-Related](#) : CK(14) : AC(4), [Poliomyelitis](#) : CK(33) : AC(4)

Additional Keywords : [Vaccine Failure](#) : CK(255) : AC(32)

Anti Therapeutic Actions : [Vaccination: Oral Polio Vaccine](#) : CK(24) : AC(4)

Vaccine-derived poliovirus infection is estimated to have infected many thousands of people.

Pubmed Data : PLoS One. 2008 ;3(10):e3433. Epub 2008 Oct 29. PMID: [18958288](#)

Article Published Date : Dec 31, 2007

Authors : Alison Wringe, Paul E M Fine, Roland W Sutter, Olen M Kew

Study Type : Human Study

Additional Links

Diseases : [Polio: Vaccine-Related](#) : CK(14) : AC(4)

Additional Keywords : [Vaccine Shedding](#) : CK(31) : AC(4)

Anti Therapeutic Actions : [Vaccination: Oral Polio Vaccine](#) : CK(24) : AC(4)

Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent recombination events and mutations.

Pubmed Data : J Infect Dis. 2012 May 1 ;205(9):1363-73. Epub 2012 Mar 29. PMID: [22457288](#)

Article Published Date : May 01, 2012

Authors : Marie-Line Joffret, Sophie Jégouic, Maël Bessaud, Jean Balanant, Coralie Tran, Valerie Caro, Barbara Holmblat, Richter Razafindratsimandresy, Jean-Marc Reynes, Mala Rakoto-Andrianarivelo, Francis Delpeyroux

Study Type : Review

Additional Links

Diseases : [Polio](#) : CK(19) : AC(8), [Polio: Vaccine-Related](#) : CK(14) : AC(4), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Polio](#) : CK(98) : AC(17)

Poliomyelitis (AC 7) (CK 36)

"Outbreak of paralytic poliomyelitis in Oman: evidence for widespread transmission among fully vaccinated children."

Pubmed Data : Lancet. 1991 Sep 21 ;338(8769):715-20. PMID: [1679866](#)

Article Published Date : Sep 20, 1991

Authors : R W Sutter, P A Patriarca, S Brogan, P G Malankar, M A Pallansch, O M Kew, A G Bass, S L Cochi, J P Alexander, D B Hall

Study Type : Human: Case Report

Additional Links

Diseases : Polio : CK(19) : AC(8), Polio: Vaccine-Related : CK(14) : AC(4), Poliomyelitis : CK(33) : AC(4)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Oral Polio Vaccine : CK(24) : AC(4)

At the present time, the only poliovirus-caused poliomyelitis cases reported in Brazil and other countries of the Americas are of vaccine etiology.

Pubmed Data : Rev Panam Salud Publica. 2000 Apr;7(4):219-24. PMID: [10846924](#)

Article Published Date : Apr 01, 2000

Authors : L H de Oliveira, C J Struchiner

Study Type : Human Study

Additional Links

Diseases : Poliomyelitis : CK(33) : AC(4)

Additional Keywords : Iatrogenic Poliomyelitis : CK(20) : AC(2)

Anti Therapeutic Actions : Vaccination: Polio : CK(98) : AC(17)

In 2011, there were an extra 47,500 new cases of non-polio acute flaccid paralysis (NPAFP); Clinically indistinguishable from polio paralysis but twice as deadly, the incidence of NPAFP was directly proportional to doses of oral polio received.

Pubmed Data : Indian J Med Ethics. 2012 Apr-Jun;9(2):114-7. PMID: [22591873](#)

Article Published Date : Apr 01, 2012

Authors : Neetu Vashisht, Jacob Puliyeel

Study Type : Review

Additional Links

Diseases : Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3), Poliomyelitis : CK(33) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Polio : CK(98) :

Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary.

Pubmed Data : Am J Epidemiol. 2011 Aug 1 ;174(3):316-25. Epub 2011 Jun 17. PMID: [21685412](#)

Article Published Date : Jul 31, 2011

Authors : Concepción F Estívariz, Zsuzsanna Molnár, Linda Venczel, Beatrix Kapusinszky, James A Zingesser, Galina Y Lipskaya, Olen M Kew, György Berencsi, Agnes Csohán

Study Type : Human Study

Additional Links

Diseases : Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3) , Poliomyelitis : CK(33) : AC(4) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Oral Polio Vaccine : CK(24) : AC(4) , Vaccination: Oral Polio Vaccine, Bivalent : CK(10) : AC(1) , Vaccination: Polio : CK(98) : AC(17)

Provocation by vaccine injections can increase the risk of paralytic poliomyelitis by up to 25 fold.

Pubmed Data : Dev Biol Stand. 1986;65:123-6. PMID: [3549394](#)

Article Published Date : Jan 01, 1986

Authors : H V Wyatt

Study Type : Review

Additional Links

Diseases : Poliomyelitis : CK(33) : AC(4)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) , Vaccination: Polio : CK(98) : AC(17)

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

Pubmed Data : JAMA. 1994 May 25;271(20):1602-5. PMID: [8182813](#)

Article Published Date : May 25, 1994

Authors : K R Stratton, C J Howe, R B Johnston

Study Type : Review

Additional Links

Diseases : Anaphylaxis : CK(67) : AC(18) , Guillain-Barre Syndrome : CK(110) : AC(18) , Hepatitis B : CK(241) : AC(46) , Neuritis: Brachial Plexus : CK(1) : AC(1) , Poliomyelitis : CK(33) : AC(4) , Purpura: Thrombocytopenic : CK(231) : AC(25) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) ,
Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) :
AC(37), Vaccination: Tetanus : CK(74) : AC(12)

Vaccine-associated paralytic poliomyelitis (VAPP) has emerged as the predominant form of the disease in the United States since 1980.

Pubmed Data : Clin Infect Dis. 1992 Feb;14(2):568-79. PMID: [1554844](#)

Article Published Date : Feb 01, 1992

Authors : P M Strebel, R W Sutter, S L Cochi, R J Biellik, E W Brink, O M Kew, M A Pallansch, W A Orenstein, A R Hinman

Study Type : Human Study

Additional Links

Diseases : Poliomyelitis : CK(33) : AC(4)

Additional Keywords : Iatrogenic Poliomyelitis : CK(20) : AC(2)

Anti Therapeutic Actions : Vaccination: Polio : CK(98) : AC(17)

Polyarteritis Nodosa (AC 1) (CK 1)

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.

Pubmed Data : J Neurol Sci. 2010 May 15;292(1-2):1-4. Epub 2010 Mar 7. PMID: [20207367](#)

Article Published Date : May 15, 2010

Authors : Joerg-Patrick Stübgen

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Myasthenia Gravis : CK(82) : AC(14), Neuromuscular Diseases : CK(16) : AC(4), Neuropathies : CK(600) : AC(119), Polyarteritis Nodosa : CK(1) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Polyradiculoneuropathy: Acute Inflammatory (AC 1) (CK 3)

A case of lethal inflammatory polyradiculoneuropathy with spinal cord involvement after hepatitis B vaccination.

Pubmed Data : J Neurol Sci. 2001 May 1;186(1-2):81-5. PMID: [11412876](#)

Article Published Date : May 01, 2001

Authors : E Sindern, J M Schröder, M Krismann, J P Malin

Study Type : Human: Case Report

Additional Links

Diseases : Acute Inflammatory Demyelinating Polyradiculoneuropathy : CK(3) : AC(1) , Polyradiculoneuropathy: Acute Inflammatory : CK(87) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Pre-Eclampsia (AC 1) (CK 10)

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.

Pubmed Data : Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: [21945263](#)

Article Published Date : Sep 20, 2011

Authors : Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

Study Type : Human Study

Additional Links

Diseases : CRP : CK(30) : AC(3) , Elevated CRP : CK(82) : AC(9) , Pre-Eclampsia : CK(299) : AC(33) , Pregnancy: Vaccination : CK(92) : AC(16) , Pregnancy Complications : CK(192) : AC(23) , Preterm Birth: Prevention : CK(111) : AC(9) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions : Interleukin-6 up-regulation : CK(14) : AC(3) , Tumor necrosis

Pregnancy Complications (AC 1) (CK 10)

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.

Pubmed Data : Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: [21945263](#)

Article Published Date : Sep 20, 2011

Authors : Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

Study Type : Human Study

Additional Links

Diseases : CRP : CK(30) : AC(3), Elevated CRP : CK(82) : AC(9), Pre-Eclampsia : CK(299) : AC(33), Pregnancy: Vaccination : CK(92) : AC(16), Pregnancy Complications : CK(192) : AC(23), Preterm Birth: Prevention : CK(111) : AC(9), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions : Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factor α (TNF α) up-regulation : CK(42) : AC(4)

Pregnancy: Flu (AC 1) (CK 10)

Influenza vaccination does not appear to be effective during pregnancy in preventing hospitalizations and outpatient visits for respiratory illness in pregnant women and their infants.

Pubmed Data : Am J Perinatol. 2004 Aug;21(6):333-9. PMID: [15311370](#)

Article Published Date : Aug 01, 2004

Authors : Steven B Black, Henry R Shinefield, Eric K France, Bruce H Fireman, Sharon T Platt, David Shay,

Study Type : Human Study

Additional Links

Diseases : [Pregnancy: Flu : CK\(10\) : AC\(1\)](#), [Upper Respiratory Infections : CK\(950\) : AC\(114\)](#)

Anti Therapeutic Actions : [Vaccination: All : CK\(5137\) : AC\(437\)](#)

Pregnancy: Vaccination (AC 5) (CK 51)

Congenital malformation is a possible consequence of rubella vaccination during pregnancy.

Pubmed Data : JAMA. 1981 Sep 25;246(13):1413-7. PMID: [7265443](#)

Article Published Date : Sep 25, 1981

Authors : S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann

Study Type : Human Study

Additional Links

Diseases : [Birth Defects : CK\(204\) : AC\(39\)](#), [Pregnancy: Vaccination : CK\(92\) : AC\(16\)](#), [Rubella : CK\(54\) : AC\(4\)](#), [Vaccination: Abortion : CK\(40\) : AC\(13\)](#), [Vaccine-induced Toxicity : CK\(1325\) : AC\(194\)](#)

Anti Therapeutic Actions : [Vaccination: Adult Rubella : CK\(24\) : AC\(5\)](#), [Vaccination: All : CK\(5137\) : AC\(437\)](#)

During the first five yeras of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women.

Pubmed Data : Am J Obstet Gynecol. 1976 Feb 15;124(4):327-32. PMID: [1251853](#)

Article Published Date : Feb 15, 1976

Authors : M Siegel

Study Type : Review

Additional Links

Diseases : [Pregnancy: Vaccination : CK\(92\) : AC\(16\)](#), [Rubella : CK\(54\) : AC\(4\)](#), [Vaccination: Abortion : CK\(40\) : AC\(13\)](#), [Vaccine-induced Toxicity : CK\(1325\) : AC\(194\)](#)

Anti Therapeutic Actions : [Vaccination: Adult Rubella : CK\(24\) : AC\(5\)](#), [Vaccination: All : CK\(5137\) : AC\(437\)](#)

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.

Pubmed Data : Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: [21945263](#)

Article Published Date : Sep 20, 2011

Authors : Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

Study Type : Human Study

Additional Links

Diseases : CRP : CK(30) : AC(3), Elevated CRP : CK(82) : AC(9), Pre-Eclampsia : CK(299) : AC(33), Pregnancy: Vaccination : CK(92) : AC(16), Pregnancy Complications : CK(192) : AC(23), Preterm Birth: Prevention : CK(111) : AC(9), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions : Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factor α (TNF α) up-regulation : CK(42) : AC(4)

In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.

Pubmed Data : Int Ophthalmol Clin. 1975;15(4):229-41. PMID: [773881](#)

Article Published Date : Jan 01, 1975

Authors : V Boniuk

Study Type : Human Study

Additional Links

Diseases : Cataract : CK(196) : AC(61), Pregnancy: Vaccination : CK(92) : AC(16), Rubella : CK(54) : AC(4), Vaccination: Abortion : CK(40) : AC(13), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(5137) : AC(437)

Maternal influenza vaccination during pregnancy does not reduce the incidence of acute respiratory illness visits among infants.

Pubmed Data : Cancer Sci. 2004 Jul;95(7):596-601. PMID: [17146026](#)

Article Published Date : Jul 01, 2004

Authors : Eric K France, Renae Smith-Ray, David McClure, Simon Hambidge, Stanley Xu, Kristi Yamasaki, David Shay, Eric Weintraub, Alicia M Fry, Steve B Black, Henry R Shinefield, John P Mullooly, Lisa A Jackson

Study Type : Meta Analysis

Additional Links

Diseases : Infant Infections : CK(410) : AC(44) , Pregnancy: Vaccination : CK(92) : AC(16) , Upper Respiratory Infections : CK(950) : AC(114)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Premature Birth (AC 2) (CK 20)

CRP level in infants is elevated in the 48 hours following immunization.

Pubmed Data : J Pediatr. 2007 Aug ;151(2):167-72. Epub 2007 Jun 22. PMID: [17643770](#)

Article Published Date : Aug 01, 2007

Authors : Massroor Pourcyrus, Sheldon B Korones, Kristopher L Arheart, Henrietta S Bada

Study Type : Human Study

Additional Links

Diseases : C-Reactive Protein : CK(1852) : AC(174) , Premature Birth : CK(424) : AC(45) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Multiple Vaccines : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Hepatitis B vaccination is associated with potentially neurotoxic mercury exposure in infants.

Pubmed Data : Chin Med. 2008 Mar 29;3:4. PMID: [10802503](#)

Article Published Date : Mar 29, 2008

Authors : G V Stajich, G P Lopez, S W Harry, W R Sexson

Study Type : Human Study

Additional Links

Diseases : Mercury Poisoning : CK(228) : AC(178) , Premature Birth : CK(424) : AC(45)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Preterm Birth: Prevention (AC 1) (CK

10)

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.

Pubmed Data : Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: [21945263](#)

Article Published Date : Sep 20, 2011

Authors : Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

Study Type : Human Study

Additional Links

Diseases : CRP : CK(30) : AC(3), Elevated CRP : CK(82) : AC(9), Pre-Eclampsia : CK(299) : AC(33), Pregnancy: Vaccination : CK(92) : AC(16), Pregnancy Complications : CK(192) : AC(23), Preterm Birth: Prevention : CK(111) : AC(9), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions : Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factor α (TNF α) up-regulation : CK(42) : AC(4)

Prostate Cancer (AC 1) (CK 2)

The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer.

Pubmed Data : Biologicals. 2010 May;38(3):371-6. Epub 2010 Apr 8. PMID: [20378372](#)

Article Published Date : May 01, 2010

Authors : Takayuki Miyazawa

Study Type : Animal Study

Additional Links

Diseases : Chronic Fatigue Syndrome : CK(275) : AC(40), Prostate Cancer : CK(1499) : AC(438), Retroviruses : CK(7) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Pseudolymphoma (AC 1) (CK 3)

The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines.

Pubmed Data : J Trace Elem Med Biol. 2012 Mar 14. Epub 2012 Mar 14. PMID: [22425036](#)

Article Published Date : Mar 14, 2012

Authors : Olivier Guillard, Bernard Fauconneau, Alain Pineau, Annie Marraud, Jean-Pierre Bellocq, Marie-Pierre Chenard

Study Type : Human: Case Report, Review

Additional Links

Diseases : Chronic Fatigue Syndrome : CK(275) : AC(40) , Macrophagic myofasciitis : CK(36) : AC(7), Pseudolymphoma : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18) , Vaccine Adjuvants : CK(594) : AC(118)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52)

Psychiatric Disorders (AC 1) (CK 3)

The psychic reactions following injections of bacterial vaccines.

Pubmed Data : Int Arch Allergy Appl Immunol. 1950 ;1(3):226-43. PMID: [14794265](#)

Authors : J ILAVSKY

Study Type : Human: Case Report

Additional Links

Diseases : Psychiatric Disorders : CK(110) : AC(27) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Bacterial Vaccines : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Purpura: Thrombocytopenic (AC 6) (CK 44)

Acute immune thrombocytopenic purpura as adverse reaction to oral polio vaccine (OPV).

Pubmed Data : Hum Vaccin Immunother. 2013 Jun 4 ;9(8). Epub 2013 Jun 4. PMID: [23807364](#)

Article Published Date : Jun 03, 2013

Authors : Cheng-Qiang Jin, Hai-Xin Dong, Zhuo-Xiang Sun, Jian-Wei Zhou, Cui-Yun Dou, Shu-Hua Lu, Rui-Rui Yang

Study Type : Human: Case Report

Additional Links

Diseases : Purpura: Thrombocytopenic : CK(231) : AC(25) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Oral Polio Vaccine, Bivalent : CK(10) : AC(1)

MMR vaccination is associated with an increased risk for idiopathic thrombocytopenic purpura.

Pubmed Data : Br J Clin Pharmacol. 2003 Jan;55(1):107-11. PMID: [12534647](#)

Article Published Date : Jan 01, 2003

Authors : Corri Black, James A Kaye, Hershel Jick

Study Type : Human Study

Additional Links

Diseases : Purpura: Thrombocytopenic : CK(231) : AC(25) , Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Measles-mumps-rubella vaccine that is given in the second year of life is associated with an increased risk of immune thrombocytopenia purpura.

Pubmed Data : Pediatrics. 2008 Mar;121(3):e687-92. PMID: [18310189](#)

Article Published Date : Mar 01, 2008

Authors : Eric K France, Jason Glanz, Stanley Xu, Simon Hambidge, Kristi Yamasaki, Steve B Black, Michael Marcy, John P Mullooly, Lisa A Jackson, James Nordin, Edward A Belongia, K Hohman, Robert T Chen, Robert Davis,

Study Type : Human Study

Additional Links

Diseases : Purpura: Thrombocytopenic : CK(231) : AC(25) , Thrombocytopenia : CK(234) : AC(26) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

Pubmed Data : JAMA. 1994 May 25;271(20):1602-5. PMID: [8182813](#)

Article Published Date : May 25, 1994

Authors : K R Stratton, C J Howe, R B Johnston

Study Type : Review

Additional Links

Diseases : Anaphylaxis : CK(67) : AC(18) , Guillain-Barre Syndrome : CK(110) : AC(18) , Hepatitis B : CK(241) : AC(46) , Neuritis: Brachial Plexus : CK(1) : AC(1) , Poliomyelitis : CK(33) : AC(4) , Purpura: Thrombocytopenic : CK(231) : AC(25) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) , Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37) , Vaccination: Tetanus : CK(74) : AC(12)

Thrombocytopenic purpura following vaccination in early childhood has been reported.

Pubmed Data : J Chin Med Assoc. 2010 Dec;73(12):634-7. PMID: [21145511](#)

Article Published Date : Dec 01, 2010

Authors : Yuh-Lin Hsieh, Lung-Huang Lin

Study Type : Human Study

Additional Links

Diseases : Purpura: Thrombocytopenic : CK(231) : AC(25) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) , Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Vaccination is associated with thrombocytopenic purpura in children.

Pubmed Data : Vaccine. 2007 Feb 26;25(10):1838-40. Epub 2006 Nov 9. PMID: [17126957](#)

Article Published Date : Feb 26, 2007

Authors : J Rajantie, B Zeller, I Treutiger, S Rosthøj,

Study Type : Human Study

Additional Links

Diseases : Purpura: Thrombocytopenic : CK(231) : AC(25) , Thrombocytopenia : CK(234) : AC(26) ,
Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Rabies (AC 3) (CK 15)

Rabies encephalitis in a child: a failure of rabies post exposure prophylaxis?

Pubmed Data : BMJ Case Rep. 2015 ;2015. Epub 2015 Jan 14. PMID: [25589528](#)

Article Published Date : Dec 31, 2014

Authors : Faten Tinsa, Aida Borgi, Imen Jahouat, Khadija Boussetta

Study Type : Human: Case Report

Additional Links

Diseases : Rabies : CK(13) : AC(3)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Rabies : CK(4) : AC(3)

Rabies vaccine may be ineffective during symptomatic rabies and may contribute to "early death."

Pubmed Data : Vaccine. 2009 Nov 27;27(51):7173-7. PMID: [19925949](#)

Article Published Date : Nov 27, 2009

Authors : Rodney E Willoughby

Study Type : Animal Study

Additional Links

Diseases : Rabies : CK(13) : AC(3)

Anti Therapeutic Actions : Vaccination: Rabies : CK(4) : AC(3)

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.

Pubmed Data : Vaccine. 2009 Dec 9;27(52):7322-5. Epub 2009 Oct 4. PMID: [19808027](#)

Article Published Date : Dec 09, 2009

Authors : Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P

Hays, Russell L Chin

Study Type : Human Study

Additional Links

Diseases : Lyme Disease : CK(58) : AC(14) , Neuropathy: Small Fiber : CK(10) : AC(1) , Rabies : CK(13) : AC(3), Vaccine-induced Toxicity : CK(1325) : AC(194), Varicella : CK(50) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Respiratory Diseases (AC 1) (CK 10)

Pneumococcal conjugate vaccination is associated with higher levels of serious adverse respiratory events and nonrespiratory events in infants 6 weeks to 6 months of age.

Pubmed Data : Pediatr Infect Dis J. 2009 Jun;28(6):455-62. PMID: [19483514](#)

Article Published Date : Jun 01, 2009

Authors : Marilla G Lucero, Hanna Nohynek, Gail Williams, Veronica Tallo, Eric A F Simões, Socorro Lupisan, Diozele Sanvictores, Simon Forsyth, Taneli Puumalainen, Juanita Ugpo, Marites Lechago, Margaret de Campo, Erma Abucejo-Ladesma, Lydia Sombrero, Antti Nissinen, Anu Soininen, Petri Ruutu, Ian Riley, Helen P Mäkelä

Study Type : Human Study

Additional Links

Diseases : Infant Infections : CK(410) : AC(44) , Respiratory Diseases : CK(260) : AC(40) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Pneumococcal : CK(71) : AC(8)

Retroviruses (AC 3) (CK 4)

Live attenuated virus Vaccines produced on chicken-derived cells contain low levels of particle-associated reverse transcriptase (RT).

Pubmed Data : J Virol. 1997 Apr ;71(4):3005-12. PMID: [9060660](#)

Article Published Date : Mar 31, 1997

Authors : R N Weissmahr, J Schüpbach, J Böni

Study Type : Review

Additional Links

Diseases : Endogenous avian retrovirus (EAV-0) : CK(1) : AC(1) , Retroviruses : CK(7) : AC(1)

Additional Keywords : Cross-Species Infection : CK(4) : AC(3) , Endogenous Retroviruses : CK(53) : AC(20), Live Attenuated Vaccines : CK(5) : AC(2) , Retroviruses : CK(11) : AC(11)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31)

Problem Substances : Endogenous avian retrovirus (EAV-0) : CK(3) : AC(1)

The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer.

Pubmed Data : Biologicals. 2010 May;38(3):371-6. Epub 2010 Apr 8. PMID: [20378372](#)

Article Published Date : May 01, 2010

Authors : Takayuki Miyazawa

Study Type : Animal Study

Additional Links

Diseases : Chronic Fatigue Syndrome : CK(275) : AC(40) , Prostate Cancer : CK(1499) : AC(438) , Retroviruses : CK(7) : AC(1) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccines produced in chick embryo cells had significant reverse transcriptase activity.

Pubmed Data : J Clin Virol. 1998 Jul 24 ;11(1):19-28. PMID: [9784140](#)

Article Published Date : Jul 23, 1998

Authors : T Maudru, K W Peden

Study Type : In Vitro Study

Additional Links

Diseases : Retroviruses : CK(7) : AC(1)

Additional Keywords : Endogenous Retroviruses : CK(53) : AC(20) , Live Attenuated Vaccines : CK(5) : AC(2), Retroviruses : CK(11) : AC(11) , Vaccine Contamination : CK(5) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Rhabdomyolysis (AC 1) (CK 3)

Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs.

Pubmed Data : Nephrol Dial Transplant. 2000 May ;15(5):740-1. PMID: [10809833](#)

Article Published Date : May 01, 2000

Authors : E Plotkin, J Bernheim, S Ben-Chetrit, A Mor, Z Korzets

Study Type : Human: Case Report

Additional Links

Diseases : Rhabdomyolysis : CK(165) : AC(38) , Statin-Induced Pathologies : CK(1638) : AC(327)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Problem Substances : Statin Drugs : CK(4171) : AC(500)

Adverse Pharmacological Actions : Myotoxicity : CK(327) : AC(80)

Rheumatoid Arthritis (AC 3) (CK 13)

Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year.

Pubmed Data : Clin Exp Rheumatol. 2002 Nov-Dec;20(6):767-71. PMID: [12508767](#)

Article Published Date : Nov 01, 2002

Authors : D A Geier, M R Geier

Study Type : Animal Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312) , Autoimmune Diseases : CK(6629) : AC(1128) , Rheumatoid Arthritis : CK(706) : AC(117) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5) , Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Pubmed Data : Autoimmunity. 2005 Jun;38(4):295-301. PMID: [16206512](#)

Article Published Date : Jun 01, 2005

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Alopecia : CK(146) : AC(32), Arthritis : CK(1964) : AC(312), Hepatitis B : CK(241) : AC(46), Lupus Erythematosus: Systemic : CK(486) : AC(69), Optic Neuritis : CK(39) : AC(6), Rheumatoid Arthritis : CK(706) : AC(117), Thrombocytopenia : CK(234) : AC(26), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Pubmed Data : Discov Med. 2010 Feb;9(45):90-7. PMID: [20193633](#)

Article Published Date : Feb 01, 2010

Authors : Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18), Human Papillomavirus (HPV) : CK(212) : AC(35), Inflammatory Myopathy : CK(31) : AC(4), Macrophagic myofasciitis : CK(36) : AC(7), Multiple Sclerosis : CK(964) : AC(184), Rheumatoid Arthritis : CK(706) : AC(117), Systemic Lupus Erythematosus : CK(466) : AC(67), Vaccine-induced Toxicity : CK(1325) : AC(194), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Haemophilus Influenzae : CK(25) : AC(4), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: HPV (Gardasil) : CK(150) : AC(22), Vaccination: Influenza : CK(435) : AC(50), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Rabies : CK(4) : AC(3), Vaccination: Rotavirus : CK(33) : AC(6), Vaccination: Tetanus : CK(74) : AC(12), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Rift Valley Fever (AC 1) (CK 2)

Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does.

Pubmed Data : Virol J. 2009;6:94. Epub 2009 Jul 6. PMID: [19580675](#)

Article Published Date : Jan 01, 2009

Authors : Samia Ahmed Kamal

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Smithburn Rift Valley Fever : CK(4) : AC(2), Rift Valley Fever : CK(2) : AC(1) , Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Rotavirus Infections (AC 1) (CK 10)

"Lack of correlation between serum rotavirus antibody titers and protection following vaccination with reassortant RRV vaccines. "

Pubmed Data : Vaccine. 1995 Sep ;13(13):1226-32. PMID: [8578808](#)

Article Published Date : Aug 31, 1995

Authors : R L Ward, D I Bernstein

Study Type : Human Study

Additional Links

Diseases : Rotavirus Infections : CK(102) : AC(24)

Additional Keywords : Antibody Theory Of Vaccinology : CK(75) : AC(5)

Anti Therapeutic Actions : Vaccination: Rotavirus : CK(33) : AC(6)

Rubella (AC 7) (CK 63)

"The design and reporting of safety outcomes in MMR vaccine studies, both pre- and post-marketing, are largely inadequate. "

Pubmed Data : Cochrane Database Syst Rev. 2012 ;2:CD004407. Epub 2012 Feb 15. PMID: [22336803](#)

Article Published Date : Dec 31, 2011

Authors : Vittorio Demicheli, Alessandro Rivetti, Maria Grazia Debalini, Carlo Di Pietrantonj

Study Type : Meta Analysis

Additional Links

Diseases : Measles : CK(291) : AC(33) , Mumps : CK(54) : AC(6) , Rubella : CK(54) : AC(4)

Additional Keywords : Lack Of Evidence Supporting Vaccines : CK(20) : AC(1) , Vaccine Safety : CK(21) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.

Pubmed Data : J Neurosci Res. 2001 Sep 1;65(5):446-54. PMID: [11536329](#)

Article Published Date : Sep 01, 2001

Authors : C Besson Duvanel, P Honegger, J M Matthieu

Study Type : Animal Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332) , Multiple Sclerosis : CK(964) : AC(184) , Rubella : CK(54) : AC(4) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Congenital malformation is a possible consequence of rubella vaccination during pregnancy.

Pubmed Data : JAMA. 1981 Sep 25;246(13):1413-7. PMID: [7265443](#)

Article Published Date : Sep 25, 1981

Authors : S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann

Study Type : Human Study

Additional Links

Diseases : Birth Defects : CK(204) : AC(39) , Pregnancy: Vaccination : CK(92) : AC(16) , Rubella : CK(54) : AC(4) , Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5) , Vaccination: All : CK(5137) : AC(437)

Difficulties in eliminating measles and controlling rubella and mumps in a 99% measles vaccine compliant population.

Pubmed Data : PLoS One. 2014 ;9(2):e89361. Epub 2014 Feb 20. PMID: [24586717](#)

Article Published Date : Dec 31, 2013

Authors : Zhifang Wang, Rui Yan, Hanqing He, Qian Li, Guohua Chen, Shengxu Yang, Enfu Chen

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33) , Mumps : CK(54) : AC(6) , Rubella : CK(54) : AC(4)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Brachytherapy : CK(10) : AC(1) , Vaccination: Measles : CK(252) : AC(31) ,
Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

During the first five yeras of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women.

Pubmed Data : Am J Obstet Gynecol. 1976 Feb 15;124(4):327-32. PMID: [1251853](#)

Article Published Date : Feb 15, 1976

Authors : M Siegel

Study Type : Review

Additional Links

Diseases : Pregnancy: Vaccination : CK(92) : AC(16) , Rubella : CK(54) : AC(4) , Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5) , Vaccination: All : CK(5137) : AC(437)

In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.

Pubmed Data : Int Ophthalmol Clin. 1975;15(4):229-41. PMID: [773881](#)

Article Published Date : Jan 01, 1975

Authors : V Boniuk

Study Type : Human Study

Additional Links

Diseases : Cataract : CK(196) : AC(61) , Pregnancy: Vaccination : CK(92) : AC(16) , Rubella : CK(54) : AC(4) , Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5) , Vaccination: All : CK(5137) : AC(437)

Measles, mumps, and rubella catch up immunisation in a measles epidemic did not appear to confer protection and was associated with a variety of new side effects of the vaccine.

Pubmed Data : BMJ. 1995 Jun 24 ;310(6995):1629-32. PMID: [7795447](#)

Article Published Date : Jun 23, 1995

Authors : R J Roberts, Q D Sandifer, M R Evans, M Z Nolan-Farrell, P M Davis

Study Type : Human Study

Additional Links

Diseases : [Measles](#) : CK(291) : AC(33) , [Mumps](#) : CK(54) : AC(6) , [Rubella](#) : CK(54) : AC(4)

Additional Keywords : [Vaccine Failure](#) : CK(255) : AC(32)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Mumps-Measles-Rubella \(MMR\)](#) : CK(276) : AC(37)

Sarcoma (AC 1) (CK 1)

Feline injection site-associated sarcoma is a serious problem associated with malignancy.

Pubmed Data : Vet Microbiol. 2006 Oct 5;117(1):59-65. PMID: [16769184](#)

Article Published Date : Oct 05, 2006

Authors : Jolle Kirpensteijn

Study Type : Review

Additional Links

Diseases : [Sarcoma](#) : CK(56) : AC(35) , [Tumors](#) : CK(203) : AC(119) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Animal Model](#) : CK(41) : AC(17)

Seizures (AC 2) (CK 13)

DPT vaccines have been associated with recurrent seizures.

Pubmed Data : Am J Dis Child. 1984 Oct;138(10):908-11. PMID: [6206715](#)

Article Published Date : Oct 01, 1984

Authors : J V Murphy, L D Sarff, K M Marquardt

Study Type : Human Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23) , Seizures : CK(190) : AC(55) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

H1N1 vaccination has been linked to possible new-onset seizure.

Pubmed Data : Pharmacotherapy. 2011 Jan;31(1):113. PMID: [21182364](#)

Article Published Date : Jan 01, 2011

Authors : [No authors listed]

Study Type : Human: Case Report

Additional Links

Diseases : Influenza : CK(789) : AC(123) , Seizures : CK(190) : AC(55)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Sepsis (AC 1) (CK 10)

This study found an increase in adverse events after the routine immunization of extremely low-birth-weight infants in the NICU.

Pubmed Data : JAMA Pediatr. 2015 Jun 1. Epub 2015 Jun 1. PMID: [26030302](#)

Article Published Date : May 31, 2015

Authors : Stephen D DeMeo, Sudha R Raman, Christoph P Hornik, Catherine C Wilson, Reese Clark, P Brian Smith

Study Type : Human Study

Additional Links

Diseases : Infants: Low Birth Weight : CK(144) : AC(15) , Infants: Very Low Birth Weight/Low Birth Weight : CK(212) : AC(19) , Sepsis : CK(197) : AC(54) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Reaction : CK(13) : AC(2) , Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Shingles (AC 1) (CK 10)

Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period.

Pubmed Data : Med J Aust. 2010 Jul 19;193(2):110-3. PMID: [20642419](#)

Article Published Date : Jul 19, 2010

Authors : Mark R Nelson, Helena C Britt, Christopher M Harrison

Study Type : Human Study

Additional Links

Diseases : [Chickenpox](#) : CK(113) : AC(12) , [Herpes Zoster](#) : CK(473) : AC(36) , [Shingles](#) : CK(473) : AC(36) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Additional Keywords : [Chicken Pox \(Varicella\) Shingles \(Herpes Zoster\) Connection](#) : CK(20) : AC(2)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Varicella \(Chicken pox\)](#) : CK(177) : AC(22)

Shoulder Injuries (AC 1) (CK 3)

Case report: a shoulder injury related to vaccine administration.

Pubmed Data : J Am Board Fam Med. 2012 Nov ;25(6):919-22. PMID: [23136333](#)

Article Published Date : Oct 31, 2012

Authors : Matthew G Barnes, Christopher Ledford, Karen Hogan

Study Type : Human: Case Report

Additional Links

Diseases : [Shoulder Injuries](#) : CK(23) : AC(2) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Influenza](#) : CK(435) : AC(50)

Silicone Implant Toxicity (AC 1) (CK 10)

Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.

Pubmed Data : Autoimmun Rev. 2008 Oct;8(1):52-5. Epub 2008 Aug 24. PMID: [18725327](#)

Article Published Date : Oct 01, 2008

Authors : Agmon-Levin Nancy, Yehuda Shoenfeld

Study Type : Human Study

Additional Links

Diseases : Breast Augmentation Complications : CK(32) : AC(4) , Chronic Fatigue Syndrome : CK(275) : AC(40), Hepatitis B : CK(241) : AC(46), Silicone Implant Toxicity : CK(10) : AC(1) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Silicone Implants : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Simian virus 40 (SV40) (AC 1) (CK 5)

Some oral poliovirus vaccines were contaminated with infectious SV40 after 1961.

Pubmed Data : Cancer Res. 2005 Nov 15 ;65(22):10273-9. PMID: [16288015](#)

Article Published Date : Nov 15, 2005

Authors : Rochelle Cutrone, John Lednicky, Glynis Dunn, Paola Rizzo, Maurizio Bocchetta, Konstantin Chumakov, Philip Minor, Michele Carbone

Study Type : Human In Vitro

Additional Links

Diseases : Simian virus 40 (SV40) : CK(102) : AC(20)

Additional Keywords : Vaccine Contamination : CK(5) : AC(1)

Anti Therapeutic Actions : Vaccination: Polio : CK(98) : AC(17)

Problem Substances : Simian virus 40 (SV40) : CK(114) : AC(24)

Sleep Disorders (AC 1) (CK 10)

Typhoid vaccination produced significant impairments in several measures of sleep continuity.

Pubmed Data : Psychopharmacology (Berl). 2016 Aug 9. Epub 2016 Aug 9. PMID: [27503474](#)

Article Published Date : Aug 08, 2016

Authors : Ann L Sharpley, Charlotte M Cooper, Clare Williams, Beata R Godlewska, Philip J Cowen

Study Type : Human Study

Additional Links

Diseases : Circadian Dysregulation : CK(165) : AC(34) , Sleep Disorders : CK(282) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Adverse Pharmacological Actions : Inflammatory : CK(244) : AC(66)

Smallpox (AC 4) (CK 24)

Adverse events following smallpox vaccination with ACAM2000 in a military population have been reported.

Pubmed Data : Arch Dermatol. 2010 Jun;146(6):656-61. PMID: [20566929](#)

Article Published Date : Jun 01, 2010

Authors : Thomas M Beachkofsky, Scott C Carrizales, Jeffrey J Bidinger, David E HrnCir, Darren E Whittemore, Chad M Hivnor

Study Type : Human Study

Additional Links

Diseases : Smallpox : CK(23) : AC(4) , Vaccine-induced Toxicity : CK(1325) : AC(194), Vaccinia virus : CK(27) : AC(6)

Anti Therapeutic Actions : Vaccination: Smallpox : CK(71) : AC(8)

Review: possible adverse effects that are associated with smallpox vaccination.

Pubmed Data : MMWR Recomm Rep. 2003 Feb 21;52(RR-4):1-28. PMID: [12617510](#)

Article Published Date : Feb 21, 2003

Authors : Joanne Cono, Christine G Casey, David M Bell,

Study Type : Review

Additional Links

Diseases : [Smallpox](#) : CK(23) : AC(4) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Pharmacological Actions : [Antiviral Agents](#) : CK(938) : AC(433)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Smallpox](#) : CK(71) : AC(8)

Smallpox vaccine caused iatrogenic vaccinia in children in Russia.

Pubmed Data : Zh Mikrobiol Epidemiol Immunobiol. 2001 Mar-Apr(2):40-5. PMID: [11548257](#)

Article Published Date : Mar 01, 2001

Authors : G G Onishchenko, V I Markov, V N Ustiushin, S V Borisevich, G I Kuznetsova, S Ia Loginova, A M Berezchnoĭ, N T Vasil'ev, V A Maksimov, A A Makhlaĭ

Study Type : Human Study

Additional Links

Diseases : [Smallpox](#) : CK(23) : AC(4) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194) , [Vaccinia virus](#) : CK(27) : AC(6)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Smallpox](#) : CK(71) : AC(8)

Vaccinia virus infections can be transmissible and can cause severe complications in those with weakened immune systems.

Pubmed Data : Emerg Infect Dis. 2011 Apr ;17(4):730-3. PMID: [21470473](#)

Article Published Date : Mar 31, 2011

Authors : Christine M Hughes, David Blythe, Yu Li, Ramani Reddy, Carol Jordan, Cindy Edwards, Celia Adams, Holly Conners, Catherine Rasa, Sue Wilby, Jamaal Russell, Kelly S Russo, Patricia Somsel, Danny L Wiedbrauk, Cindy Dougherty, Christopher Allen, Mike Frace, Ginny Emerson, Victoria A Olson, Scott K Smith, Zachary Braden, Jason Abel, Whitney Davidson, Mary Reynolds, Inger K Damon

Study Type : Human: Case Report

Additional Links

Diseases : [Smallpox](#) : CK(23) : AC(4) , [Vaccinia virus](#) : CK(27) : AC(6)

Additional Keywords : [Adverse Events](#) : CK(35) : AC(5) , [Vaccine Stain](#) : CK(3) : AC(1)

Anti Therapeutic Actions : [Vaccination: Smallpox](#) : CK(71) : AC(8)

Spongiform Encephalopathies: Transmissible (AC 1) (CK 1)

Transmissible spongiform encephalopathies may be passed iatrogenically through vaccines.

Pubmed Data : Dev Biol (Basel). 2001;106:455-9; discussion 460-1, 465-75. PMID: [11761262](#)

Article Published Date : Jan 01, 2001

Authors : N R Cashman

Study Type : Commentary

Additional Links

Diseases : [Spongiform Encephalopathies: Transmissible](#) : CK(2) : AC(2) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Statin-Induced Pathologies (AC 1) (CK 3)

Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs.

Pubmed Data : Nephrol Dial Transplant. 2000 May ;15(5):740-1. PMID: [10809833](#)

Article Published Date : May 01, 2000

Authors : E Plotkin, J Bernheim, S Ben-Chetrit, A Mor, Z Korzets

Study Type : Human: Case Report

Additional Links

Diseases : [Rhabdomyolysis](#) : CK(165) : AC(38) , [Statin-Induced Pathologies](#) : CK(1638) : AC(327)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Influenza](#) : CK(435) : AC(50)

Problem Substances : [Statin Drugs](#) : CK(4171) : AC(500)

Adverse Pharmacological Actions : [Myotoxicity](#) : CK(327) : AC(80)

Streptococcus pneumoniae infection (AC 1) (CK 1)

Vaccination Drives Changes in Metabolic and Virulence Profiles of Streptococcus pneumoniae.

Pubmed Data : PLoS Pathog. 2015 Jul ;11(7):e1005034. Epub 2015 Jul 16. PMID: [26181911](#)

Article Published Date : Jun 30, 2015

Authors : Eleanor R Watkins, Bridget S Penman, José Lourenço, Caroline O Buckee, Martin C J Maiden, Sunetra Gupta

Study Type : In Vitro Study

Additional Links

Diseases : [Streptococcus pneumoniae infection](#) : CK(32) : AC(16)

Additional Keywords : [Vaccine-Induced Metabolic Shift \(VIMS\)](#) : CK(1) : AC(1)

Anti Therapeutic Actions : [Vaccination: Pneumococcal](#) : CK(71) : AC(8)

Stroke: Prevention (AC 1) (CK 10)

Influenza vaccination does not prevent ischemic stroke and it does not reduce the rate of acute previous infections in stroke patients.

Pubmed Data : Cerebrovasc Dis. 2008;26(4):339-47. Epub 2008 Aug 27. PMID: [18728360](#)

Article Published Date : Jan 01, 2008

Authors : G Piñol-Ripoll, I de la Puerta, S Santos, F Purroy, E Mostacero

Study Type : Human Study

Additional Links

Diseases : [Stroke: Prevention](#) : CK(163) : AC(21)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Influenza](#) : CK(435) : AC(50)

Sudden Infant Death Syndrome (SIDS) (AC 11) (CK 86)

A case of sudden infant death associated with hexavalent immunization has been reported.

Pubmed Data : Forensic Sci Int. 2008 Aug 6;179(2-3):e25-9. Epub 2008 Jun 6. PMID: [18538957](#)

Article Published Date : Aug 06, 2008

Authors : Stefano D'Errico, Margherita Neri, Irene Riezzo, Giuseppina Rossi, Cristoforo Pomara, Emanuela Turillazzi, Vittorio Fineschi

Study Type : Human: Case Report

Additional Links

Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hexavalent : CK(6) : AC(2)

DTP vaccination may contribute to urinary tract disease and sudden infant death syndrome.

Pubmed Data : Reprod Biomed Online. 2010 Jul;21(1):100-8. Epub 2010 Mar 30. PMID: [15356430](#)

Article Published Date : Jul 01, 2010

Authors : Joseph Prandota

Study Type : Commentary

Additional Links

Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18) , Urinary Tract Infections : CK(397) : AC(57), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.

Pubmed Data : Adv Exp Med Biol. 1990;272:183-95. PMID: [20077677](#)

Article Published Date : Jan 01, 1990

Authors : Fu-Zhen Wang, Fu-Qiang Cui, Da-Wei Liu

Study Type : Human: Case Report

Additional Links

Diseases : Anaphylaxis : CK(67) : AC(18), Infant Mortality : CK(249) : AC(25), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

In 1985 twin boys simultaneously succumbed to sudden unexpected deaths two to three hours after vaccination with diphtheria, tetanus, and pertussis vaccine (DTP).

Pubmed Data : Arch Dis Child. 1987 Jul;62(7):754-9. PMID: [3498443](#)

Article Published Date : Jul 01, 1987

Authors : S C Roberts

Study Type : Human: Case Report

Additional Links

Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Over 600 cases of sudden infant death syndrome following vaccination were reported from 1990-1997.

Pubmed Data : Pharmacoepidemiol Drug Saf. 2001 Jun-Jul;10(4):279-85. PMID: [11760487](#)

Article Published Date : Jun 01, 2001

Authors : L E Silvers, S S Ellenberg, R P Wise, F E Varricchio, G T Mootrey, M E Salive

Study Type : Meta Analysis

Additional Links

Diseases : Infant Mortality : CK(249) : AC(25), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Serious adverse events associated with whole cell pertussis vaccine, e.g. sudden infant death syndrome and encephalopathy, may have occurred in metabolically vulnerable children.

Pubmed Data : Pharmazie. 2007 Apr;62(4):299-304. PMID: [19660877](#)

Article Published Date : Apr 01, 2007

Authors : Kumanan Wilson, Beth Potter, Douglas Manuel, Jennifer Keelan, Pranesh Chakraborty

Study Type : Human Study

Additional Links

Diseases : Encephalopathy: Acute Necrotizing : CK(20) : AC(2) , Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pertussis : CK(148) :

Simultaneous sudden infant death syndrome has been reported in twins two days after receiving multiple vaccinations.

Pubmed Data : J Forensic Leg Med. 2007 Feb;14(2):87-91. PMID: [17654772](#)

Article Published Date : Feb 01, 2007

Authors : Yasemin Balci, Mehmet Tok, B Kenan Kocaturk, Cinar Yenilmez, Coşkun Yirulmaz

Study Type : Human: Case Report

Additional Links

Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: Polio : CK(98) : AC(17)

Sudden Infant Death syndrome mortality rate in the period zero to three days following DTP was found to be 7.3 times higher than in the period 30 days after immunization.

Pubmed Data : Am J Public Health. 1987 Aug;77(8):945-51. PMID: [3496805](#)

Article Published Date : Aug 01, 1987

Authors : A M Walker, H Jick, D R Perera, R S Thompson, T A Knauss

Study Type : Human Study

Additional Links

Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Sudden infant death syndrome (SIDS) shortly after hexavalent vaccination has been reported.

Pubmed Data : Virchows Arch. 2006 Jan;448(1):100-4. Epub 2005 Oct 18. PMID: [16231176](#)

Article Published Date : Jan 01, 2006

Authors : Giulia Ottaviani, Anna Maria Lavezzi, Luigi Maturri

Study Type : Human: Case Report

Additional Links

Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hexavalent : CK(6) : AC(2)

Sudden infant death syndrome and DTP vaccine timing may be linked.

Pubmed Data : Otol Neurotol. 2002 Jul;23(4):447-51. PMID: [6835859](#)

Article Published Date : Jul 01, 2002

Authors : L J Baraff, W J Ablon, R C Weiss

Study Type : Human Study

Additional Links

Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Vaccination in infants less than 3 months is associated with an increased risk of sudden infant death syndrome.

Pubmed Data : Fundam Clin Pharmacol. 1995;9(3):263-70. PMID: [7557822](#)

Article Published Date : Jan 01, 1995

Authors : A P Jonville-Bera, E Autret, J Laugier

Study Type : Meta Analysis

Additional Links

Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Polio : CK(98) : AC(17)

Swine Flu Associated Virus (AC 5) (CK 34)

Influenza-related mortality is not prevented with increasing vaccination coverage.

Pubmed Data : Vaccine. 2006 Oct 30;24(42-43):6468-75. Epub 2006 Jul 7. PMID: [16876293](#)

Article Published Date : Oct 30, 2006

Authors : Caterina Rizzo, Cécile Viboud, Emanuele Montomoli, Lone Simonsen, Mark A Miller

Study Type : Human Study

Additional Links

Diseases : Influenza A : CK(387) : AC(101) , Swine Flu Associated Virus : CK(182) : AC(40)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.

Pubmed Data : J Infect Dis. 2008 Jul 15;198(2):226-33. PMID: [18522505](#)

Article Published Date : Jul 15, 2008

Authors : Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen

Study Type : Human Study

Additional Links

Diseases : Acute Autoimmune Neuropathy : CK(20) : AC(2) , Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18) , Influenza : CK(789) : AC(123) , Swine Flu Associated Virus : CK(182) : AC(40), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Influenza Vaccine : CK(10) : AC(1) , Swine Flu Vaccine : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccination against novel H1N1 may accelerate atherogenesis (heart disease).

Pubmed Data : Med Microbiol Immunol. 2009 Oct 23. PMID: [19851782](#)

Article Published Date : Oct 23, 2009

Authors : Sucharit Bhakdi, Karl Lackner, Hans-Wilhelm Doerr

Study Type : Commentary

Additional Links

Diseases : H1N1 Infection : CK(583) : AC(113) , Swine Flu Associated Virus : CK(182) : AC(40) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Widening influenza vaccine coverage is not correlated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated.

Pubmed Data : Arch Intern Med. 2005 Feb 14;165(3):265-72. PMID: [15710788](#)

Article Published Date : Feb 14, 2005

Authors : Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Miller

Study Type : Human Study

Additional Links

Diseases : H1N1 Infection : CK(583) : AC(113) , Influenza : CK(789) : AC(123) , Influenza A : CK(387) : AC(101) , Swine Flu Associated Virus : CK(182) : AC(40)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

ransverse myelitis has been reported in association with a nasal attenuated novel influenza A(H1N1) vaccine.

Pubmed Data : Arch Neurol. 2010 Aug;67(8):1018-20. PMID: [20697056](#)

Article Published Date : Aug 01, 2010

Authors : Wafa Akkad, Bassel Salem, Jerome W Freeman, Mark K Huntington

Study Type : Human: Case Report

Additional Links

Diseases : Myelitis : CK(42) : AC(6) , Swine Flu Associated Virus : CK(182) : AC(40)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50) , Vaccination: Nasal : CK(3) : AC(1)

Syncope (AC 1) (CK 10)

Postlicensure safety surveillance has revealed a disproportionate reporting of syncope and venous thromboembolic events following quadrivalent HPV vaccination.

Pubmed Data : JAMA. 2009 Aug 19;302(7):750-7. PMID: [19690307](#)

Article Published Date : Aug 19, 2009

Authors : Barbara A Slade, Laura Leidel, Claudia Vellozzi, Emily Jane Woo, Wei Hua, Andrea Sutherland, Hector S Izurieta, Robert Ball, Nancy Miller, M Miles Braun, Lauri E Markowitz, John Iskander

Study Type : Human Study

Additional Links

Diseases : Syncope : CK(10) : AC(1) , Thromboembolism : CK(205) : AC(16)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Systemic Lupus Erythematosus (AC 6) (CK 37)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Pubmed Data : Clin Chim Acta. 2006 Feb;364(1-2):196-204. Epub 2005 Aug 10. PMID: [15638050](#)

Article Published Date : Feb 01, 2006

Authors : M R Geier, D A Geier

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Rheumatoid : CK(307) : AC(55), Autoimmune Diseases : CK(6629) : AC(1128), Glomerulonephritis : CK(33) : AC(10), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), Myelitis : CK(42) : AC(6), Optic Neuritis : CK(39) : AC(6), Pancytopenia : CK(12) : AC(2), Systemic Lupus Erythematosus : CK(466) : AC(67), Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Systemic lupus erythematosus has been triggered by hepatitis B vaccine.

Pubmed Data : Clin Nephrol. 2010 Aug;74(2):150-3. PMID: [20630136](#)

Article Published Date : Aug 01, 2010

Authors : D Santoro, G Vita, R Vita, A Mallamace, V Savica, G Bellinghieri, S Benvenga, S Gangemi

Study Type : Human: Case Report

Additional Links

Diseases : Systemic Lupus Erythematosus : CK(466) : AC(67)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Systemic lupus erythematosus related to hepatitis B vaccine has been reported.

Pubmed Data : Lupus. 2009 Nov;18(13):1192-7. PMID: [19880567](#)

Article Published Date : Nov 01, 2009

Authors : N Agmon-Levin, Y Zafrir, Z Paz, T Shilton, G Zandman-Goddard, Y Shoenfeld

Study Type : Human Study

Additional Links

Diseases : Systemic Lupus Erythematosus : CK(466) : AC(67)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

This describes four cases of auto-immune reactions after tetanus vaccination.

Pubmed Data : Immunol Res. 2016 Jul 19. Epub 2016 Jul 19. PMID: [27435706](#)

Article Published Date : Jul 18, 2016

Authors : N Ruhrman-Shahar, J Torres-Ruiz, P Rotman-Pikielny, Y Levy

Study Type : Human: Case Report

Additional Links

Diseases : Antiphospholipid Syndrome : CK(3) : AC(1) , Autoimmune Diseases : CK(6629) : AC(1128) , Dermatomyositis : CK(47) : AC(10) , Diabetes Mellitus: Type 1 : CK(1130) : AC(301) , Systemic Lupus Erythematosus : CK(466) : AC(67)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: Tetanus : CK(74) : AC(12)

Vaccination can precipitate lupus erythematosus.

Pubmed Data : Semin Arthritis Rheum. 1999 Dec;29(3):131-9. PMID: [10622677](#)

Article Published Date : Dec 01, 1999

Authors : S A Older, D F Battafarano, R J Enzenauer, A M Krieg

Study Type : Human Study

Additional Links

Diseases : Systemic Lupus Erythematosus : CK(466) : AC(67) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Pubmed Data : Discov Med. 2010 Feb;9(45):90-7. PMID: [20193633](#)

Article Published Date : Feb 01, 2010

Authors : Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128) , Guillain-Barre Syndrome : CK(110) : AC(18) , Human Papillomavirus (HPV) : CK(212) : AC(35) , Inflammatory Myopathy : CK(31) : AC(4) , Macrophagic myofasciitis : CK(36) : AC(7) , Multiple Sclerosis : CK(964) : AC(184) , Rheumatoid Arthritis : CK(706) : AC(117) , Systemic Lupus Erythematosus : CK(466) : AC(67) , Vaccine-induced Toxicity : CK(1325) : AC(194) , Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) , Vaccination: Haemophilus Influenzae : CK(25) : AC(4) ,

Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: HPV (Gardasil) : CK(150) : AC(22) ,
Vaccination: Influenza : CK(435) : AC(50) , Vaccination: Lyme disease : CK(11) : AC(2) , Vaccination:
Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Rabies : CK(4) : AC(3) , Vaccination:
Rotavirus : CK(33) : AC(6), Vaccination: Tetanus : CK(74) : AC(12) , Vaccination: Varicella (Chicken
pox) : CK(177) : AC(22)

Tetanus (AC 3) (CK 23)

Adverse effects of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine in 6- to 7-year-old children.

Pubmed Data : Pediatr Neonatol. 2011 Feb;52(1):38-41. Epub 2011 Feb 17. PMID: [21385656](#)

Article Published Date : Feb 01, 2011

Authors : Sung-Hsi Wei, Yen-Nan Chao, Song-En Huang, Tsuey-Feng Lee, Luan-Yin Chang

Study Type : Human Study

Additional Links

Diseases : Tetanus : CK(47) : AC(5) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Neonatal tetanus despite protective serum antitoxin concentration.

Pubmed Data : FEMS Microbiol Immunol. 1991 Jun ;3(3):171-5. PMID: [1878260](#)

Article Published Date : May 31, 1991

Authors : S Y Maselle, R Matre, R Mbise, T Hofstad

Study Type : Human Study

Additional Links

Diseases : Tetanus : CK(47) : AC(5)

Additional Keywords : Antibody Theory Of Vaccinology : CK(75) : AC(5) , Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Tetanus : CK(74) : AC(12)

Severe tetanus has been reported in immunized patients with high anti-tetanus titers.

Pubmed Data : Neurology. 1992 Apr ;42(4):761-4. PMID: [1565228](#)

Article Published Date : Apr 01, 1992

Authors : N E Crone, A T Reder

Study Type : Human: Case Report

Additional Links

Diseases : [Tetanus](#) : CK(47) : AC(5)

Additional Keywords : [Antibody Theory Of Vaccinology](#) : CK(75) : AC(5) , [Vaccine Failure](#) : CK(255) : AC(32)

Anti Therapeutic Actions : [Vaccination: Tetanus](#) : CK(74) : AC(12)

Thrombocytopenia (AC 9) (CK 86)

A 13-year-old girl developed immune thrombocytopenic purpura following vaccination with a quadrivalent human papillomavirus (HPV) vaccine.

Pubmed Data : Semin Hematol. 2016 Apr ;53 Suppl 1:S48-50. Epub 2016 Apr 7. PMID: [27312165](#)

Article Published Date : Mar 31, 2016

Authors : Mojca Bizjak, Or Bruck, Darja Kanduc, Sonja Praprotnik, Yehuda Shoenfeld

Study Type : Human: Case Report

Additional Links

Diseases : [Autoimmune Diseases](#) : CK(6629) : AC(1128), [Thrombocytopenia](#) : CK(234) : AC(26)

Additional Keywords : [Molecular Mimicry](#) : CK(67) : AC(15)

Anti Therapeutic Actions : [Vaccination: HPV \(Gardasil\)](#) : CK(150) : AC(22)

Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed.

Pubmed Data : Diabet Med. 2011 Jul 22. Epub 2011 Jul 22. PMID: [21781156](#)

Article Published Date : Jul 22, 2011

Authors : H Yasuda, M Nagata, H Moriyama, H Kobayashi, T Akisaki, H Ueda, K Hara, K Yokono

Study Type : Human: Case Report

Additional Links

Diseases : [Autoimmune Diseases](#) : CK(6629) : AC(1128), [Diabetes Mellitus: Type 1](#) : CK(1130) : AC(301), [Thrombocytopenia](#) : CK(234) : AC(26), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Influenza](#) : CK(435) : AC(50)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Pubmed Data : Clin Chim Acta. 2006 Feb;364(1-2):196-204. Epub 2005 Aug 10. PMID: [15638050](#)

Article Published Date : Feb 01, 2006

Authors : M R Geier, D A Geier

Study Type : Human Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312), Arthritis: Rheumatoid : CK(307) : AC(55), Autoimmune Diseases : CK(6629) : AC(1128), Glomerulonephritis : CK(33) : AC(10), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), Myelitis : CK(42) : AC(6), Optic Neuritis : CK(39) : AC(6), Pancytopenia : CK(12) : AC(2), Systemic Lupus Erythematosus : CK(466) : AC(67), Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Pubmed Data : Autoimmunity. 2005 Jun;38(4):295-301. PMID: [16206512](#)

Article Published Date : Jun 01, 2005

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Alopecia : CK(146) : AC(32), Arthritis : CK(1964) : AC(312), Hepatitis B : CK(241) : AC(46), Lupus Erythematosus: Systemic : CK(486) : AC(69), Optic Neuritis : CK(39) : AC(6), Rheumatoid Arthritis : CK(706) : AC(117), Thrombocytopenia : CK(234) : AC(26), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

MMR vaccination is associated with an increased risk for idiopathic thrombocytopaenic purpura.

Pubmed Data : Br J Clin Pharmacol. 2003 Jan;55(1):107-11. PMID: [12534647](#)

Article Published Date : Jan 01, 2003

Authors : Corri Black, James A Kaye, Hershel Jick

Study Type : Human Study

Additional Links

Diseases : Purpura: Thrombocytopenic : CK(231) : AC(25), Thrombocytopenia : CK(234) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

MMR vaccination is associated with an increased risk of developing acute immune thrombocytopenia in childhood.

Pubmed Data : Drug Saf. 2010;33(1):65-72. PMID: [20000868](#)

Article Published Date : Jan 01, 2010

Authors : Federica Bertuola, Carla Morando, Francesca Menniti-Ippolito, Roberto Da Cas, Annalisa Capuano, Giorgio Perilongo, Liviana Da Dalt

Study Type : Human Study

Additional Links

Diseases : [Thrombocytopenia](#) : CK(234) : AC(26)

Anti Therapeutic Actions : [Vaccination: Mumps-Measles-Rubella \(MMR\)](#) : CK(276) : AC(37)

Measles-mumps-rubella vaccine that is given in the second year of life is associated with an increased risk of immune thrombocytopenia purpura.

Pubmed Data : Pediatrics. 2008 Mar;121(3):e687-92. PMID: [18310189](#)

Article Published Date : Mar 01, 2008

Authors : Eric K France, Jason Glanz, Stanley Xu, Simon Hambidge, Kristi Yamasaki, Steve B Black, Michael Marcy, John P Mullooly, Lisa A Jackson, James Nordin, Edward A Belongia, K Hohman, Robert T Chen, Robert Davis,

Study Type : Human Study

Additional Links

Diseases : [Purpura: Thrombocytopenic](#) : CK(231) : AC(25) , [Thrombocytopenia](#) : CK(234) : AC(26) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Mumps-Measles-Rubella \(MMR\)](#) : CK(276) : AC(37)

Over 1,000 confirmed cases of vaccine-induced thrombocytopenia were reported between 1990-2008.

Pubmed Data : Vaccine. 2010 Nov 29. Epub 2010 Nov 29. PMID: [21126606](#)

Article Published Date : Nov 29, 2010

Authors : Emily Jane Woo, Robert P Wise, David Menschik, Sean V Shadomy, John Iskander, Judy Beeler, Frederick Varricchio, Robert Ball

Study Type : Meta Analysis

Additional Links

Diseases : [Thrombocytopenia](#) : CK(234) : AC(26) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Vaccination is associated with thrombocytopenic purpura in children.

Pubmed Data : Vaccine. 2007 Feb 26;25(10):1838-40. Epub 2006 Nov 9. PMID: [17126957](#)

Article Published Date : Feb 26, 2007

Authors : J Rajantie, B Zeller, I Treutiger, S Rosthøj,

Study Type : Human Study

Additional Links

Diseases : Purpura: Thrombocytopenic : CK(231) : AC(25), Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Thromboembolism (AC 1) (CK 10)

Postlicensure safety surveillance has revealed a disproportionate reporting of syncope and venous thromboembolic events following quadrivalent HPV vaccination.

Pubmed Data : JAMA. 2009 Aug 19;302(7):750-7. PMID: [19690307](#)

Article Published Date : Aug 19, 2009

Authors : Barbara A Slade, Laura Leidel, Claudia Vellozzi, Emily Jane Woo, Wei Hua, Andrea Sutherland, Hector S Izurieta, Robert Ball, Nancy Miller, M Miles Braun, Lauri E Markowitz, John Iskander

Study Type : Human Study

Additional Links

Diseases : Syncope : CK(10) : AC(1), Thromboembolism : CK(205) : AC(16)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Tuberculosis (AC 1) (CK 10)

BCG revaccination may raise mortality in young children.

Pubmed Data : BMJ. 2010;340:c671. Epub 2010 Mar 15. PMID: [20231251](#)

Article Published Date : Jan 01, 2010

Authors : Adam Edvin Roth, Christine Stabell Benn, Henrik Ravn, Amabelia Rodrigues, Ida Maria Lisse, Maria Yazdanbakhsh, Hilton Whittle, Peter Aaby

Study Type : Human Study

Additional Links

Diseases : [Childhood Infections](#) : CK(275) : AC(29) , [Tuberculosis](#) : CK(312) : AC(54)

Anti Therapeutic Actions : [Vaccination: BCG \(Tuberculosis\)](#) : CK(33) : AC(4)

Tumors (AC 1) (CK 1)

Feline injection site-associated sarcoma is a serious problem associated with malignancy.

Pubmed Data : Vet Microbiol. 2006 Oct 5;117(1):59-65. PMID: [16769184](#)

Article Published Date : Oct 05, 2006

Authors : Jolle Kirpensteijn

Study Type : Review

Additional Links

Diseases : [Sarcoma](#) : CK(56) : AC(35) , [Tumors](#) : CK(203) : AC(119) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Animal Model](#) : CK(41) : AC(17)

Ulcerative Colitis (AC 1) (CK 10)

Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its

possible role in the pathogenesis of these disorders.

Pubmed Data : Dig Dis Sci. 2000 Apr;45(4):723-9. PMID: [10759242](#)

Article Published Date : Apr 01, 2000

Authors : H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield

Study Type : Human Study

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159) , Inflammatory Bowel Diseases : CK(1052) : AC(197), Ulcerative Colitis : CK(295) : AC(59), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Upper Respiratory Infections (AC 4) (CK 50)

Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants.

Pubmed Data : Braz J Infect Dis. 2009 Apr;13(2):104-6. PMID: [20140352](#)

Article Published Date : Apr 01, 2009

Authors : Claudia R C Lopes, Eitan N Berezin, Ting Hui Ching, Jaildo de Souza Canuto, Vanilda Oliveira da Costa, Erika Monteiro Klering

Study Type : Human Study

Additional Links

Diseases : Infant Infections : CK(410) : AC(44) , Pneumococcal Infections : CK(52) : AC(12) , Upper Respiratory Infections : CK(950) : AC(114)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pneumococcal : CK(71) : AC(8)

Increased risk (4.4 fold) of noninfluenza respiratory virus infections associated with receipt of inactivated influenza vaccine.

Pubmed Data : Clin Infect Dis. 2012 Jun ;54(12):1778-83. Epub 2012 Mar 15. PMID: [22423139](#)

Article Published Date : May 31, 2012

Authors : Benjamin J Cowling, Vicky J Fang, Hiroshi Nishiura, Kwok-Hung Chan, Sophia Ng, Dennis K M Ip, Susan S Chiu, Gabriel M Leung, J S Malik Peiris

Study Type : Human Study

Additional Links

Diseases : [Upper Respiratory Infections](#) : CK(950) : AC(114)

Additional Keywords : [Vaccine Failure](#) : CK(255) : AC(32)

Anti Therapeutic Actions : [Vaccination: Influenza](#) : CK(435) : AC(50)

Adverse Pharmacological Actions : [Immunotoxic](#) : CK(294) : AC(52)

Influenza vaccination does not appear to be effective during pregnancy in preventing hospitalizations and outpatient visits for respiratory illness in pregnant women and their infants.

Pubmed Data : Am J Perinatol. 2004 Aug;21(6):333-9. PMID: [15311370](#)

Article Published Date : Aug 01, 2004

Authors : Steven B Black, Henry R Shinefield, Eric K France, Bruce H Fireman, Sharon T Platt, David Shay,

Study Type : Human Study

Additional Links

Diseases : [Pregnancy: Flu](#) : CK(10) : AC(1), [Upper Respiratory Infections](#) : CK(950) : AC(114)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Maternal influenza vaccination during pregnancy does not reduce the incidence of acute respiratory illness visits among infants.

Pubmed Data : Cancer Sci. 2004 Jul;95(7):596-601. PMID: [17146026](#)

Article Published Date : Jul 01, 2004

Authors : Eric K France, Renae Smith-Ray, David McClure, Simon Hambidge, Stanley Xu, Kristi Yamasaki, David Shay, Eric Weintraub, Alicia M Fry, Steve B Black, Henry R Shinefield, John P Mullooly, Lisa A Jackson

Study Type : Meta Analysis

Additional Links

Diseases : [Infant Infections](#) : CK(410) : AC(44), [Pregnancy: Vaccination](#) : CK(92) : AC(16), [Upper Respiratory Infections](#) : CK(950) : AC(114)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Influenza](#) : CK(435) : AC(50)

Urinary Tract Infections (AC 1) (CK 1)

DTP vaccination may contribute to urinary tract disease and sudden infant death syndrome.

Pubmed Data : Reprod Biomed Online. 2010 Jul;21(1):100-8. Epub 2010 Mar 30. PMID: [15356430](#)

Article Published Date : Jul 01, 2010

Authors : Joseph Prandota

Study Type : Commentary

Additional Links

Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18) , Urinary Tract Infections : CK(397) : AC(57), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Uveitis (AC 2) (CK 11)

Adverse ocular effects of vaccination have been reported.

Pubmed Data : Ophthalmologe. 2016 Jul ;113(7):615-22. PMID: [27357302](#)

Article Published Date : Jun 30, 2016

Authors : T Ness, H Hengel

Study Type : Commentary

Additional Links

Diseases : Eye Diseases : CK(896) : AC(170) , Uveitis : CK(79) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Hepatitis B vaccine may have a possible association with the development of uveitis in some patients.

Pubmed Data : Cutan Ocul Toxicol. 2010 Mar;29(1):26-9. PMID: [19947819](#)

Article Published Date : Mar 01, 2010

Authors : Frederick W Fraunfelder, Eric B Suhler, Frederick T Fraunfelder

Study Type : Human Study

Additional Links

Diseases : Uveitis : CK(79) : AC(15) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Vaccination: Abortion (AC 13) (CK 40)

A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows.

Pubmed Data : Am J Vet Res. 1996 Nov;57(11):1604-7. PMID: [8915438](#)

Article Published Date : Nov 01, 1996

Authors : M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Infectious : CK(10) : AC(5),
Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

An animal vaccine was identified as a possible cause of a series of lamb abortions.

Pubmed Data : Vaccine. 2010 Aug 9 ;28(35):5657-63. PMID: [20554095](#)

Article Published Date : Aug 09, 2010

Authors : Nicholas Wheelhouse, Kevin Aitchison, Karine Laroucau, Jill Thomson, David Longbottom

Study Type : Animal Study

Additional Links

Diseases : Vaccination: Abortion : CK(40) : AC(13)

Congenital malformation is a possible consequence of rubella vaccination during pregnancy.

Pubmed Data : JAMA. 1981 Sep 25;246(13):1413-7. PMID: [7265443](#)

Article Published Date : Sep 25, 1981

Authors : S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann

Study Type : Human Study

Additional Links

Diseases : Birth Defects : CK(204) : AC(39) , Pregnancy: Vaccination : CK(92) : AC(16) , Rubella : CK(54) : AC(4), Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5) , Vaccination: All : CK(5137) : AC(437)

During the first five years of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women.

Pubmed Data : Am J Obstet Gynecol. 1976 Feb 15;124(4):327-32. PMID: [1251853](#)

Article Published Date : Feb 15, 1976

Authors : M Siegel

Study Type : Review

Additional Links

Diseases : Pregnancy: Vaccination : CK(92) : AC(16) , Rubella : CK(54) : AC(4), Vaccination: Abortion : CK(40) : AC(13), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5) , Vaccination: All : CK(5137) : AC(437)

In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.

Pubmed Data : Int Ophthalmol Clin. 1975;15(4):229-41. PMID: [773881](#)

Article Published Date : Jan 01, 1975

Authors : V Boniuk

Study Type : Human Study

Additional Links

Diseases : Cataract : CK(196) : AC(61), Pregnancy: Vaccination : CK(92) : AC(16) , Rubella : CK(54) : AC(4), Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5) , Vaccination: All : CK(5137) : AC(437)

Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%.

Pubmed Data : J Wildl Dis. 1991 Apr;27(2):258-64. PMID: [1906114](#)

Article Published Date : Apr 01, 1991

Authors : D S Davis, J W Templeton, T A Ficht, J D Huber, R D Angus, L G Adams

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Infectious : CK(10) : AC(5), Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM antibodies.

Pubmed Data : J Med Virol. 2006 Jun;78(6):787-91. PMID: [16628582](#)

Article Published Date : Jun 01, 2006

Authors : Boulos Botros, Adel Omar, Khairat Elian, Gihan Mohamed, Atef Soliman, Adel Salib, Diaa Salman, Magdi Saad, Kenneth Earhart

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Smithburn Rift Valley Fever : CK(4) : AC(2), Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does.

Pubmed Data : Virol J. 2009;6:94. Epub 2009 Jul 6. PMID: [19580675](#)

Article Published Date : Jan 01, 2009

Authors : Samia Ahmed Kamal

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Smithburn Rift Valley Fever : CK(4) : AC(2), Rift Valley Fever : CK(2) : AC(1) , Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

The number of elective abortions following vaccination during pregnancy may be under-reported and could be substantial.

Pubmed Data : Vaccine. 2008 May 2;26(19):2428-32. Epub 2008 Mar 17. PMID: [18406499](#)

Article Published Date : May 02, 2008

Authors : Soju Chang, Robert Ball, M Miles Braun

Study Type : Review

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Vaccination: Abortion : CK(40) : AC(13) ,
Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The vaccination of pregnant sheep resulted in abortions and hydranencephaly.

Pubmed Data : Int Immunopharmacol. 2005 Mar;5(3):555-69. PMID: [8825310](#)

Article Published Date : Mar 01, 2005

Authors : M Flanagan, S J Johnson

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Hydranencephaly : CK(2) : AC(1) , Vaccination:
Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model :
CK(41) : AC(17)

There are 76 factors (cytokines/chemokines/growth factors/others) that have been identified that are involved in various steps of the establishment of pregnancy and which could become targets/liabilities for vaccine-induced abortion/contraception.

Pubmed Data : Am J Reprod Immunol. 2011 Jul ;66(1):13-25. Epub 2011 Apr 11. PMID: [21481058](#)

Article Published Date : Jul 01, 2011

Authors : Angela R Lemons, Rajesh K Naz

Study Type : Animal Study

Additional Links

Diseases : Vaccination: Abortion : CK(40) : AC(13)

Additional Keywords : Contraceptive Vaccines : CK(6) : AC(3)

There is evidence that a DNA vaccine exhibits anti-fertility properties.

Pubmed Data : Vaccine. 2011 Jul 12 ;29(31):4933-9. Epub 2011 May 17. PMID: [21596079](#)

Article Published Date : Jul 12, 2011

Authors : Meng-Fei Yu, Wen-Ning Fang, Gao-Feng Xiong, Ying Yang, Jing-Pian Peng

Study Type : Animal Study

Additional Links

Diseases : Infertility : CK(728) : AC(152) , Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced

Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Plasmid DNA Vaccines : CK(3) : AC(2)

Vaccination of pregnant monkeys resulted in abortions in 2 out of 25.

Pubmed Data : Am J Trop Med Hyg. 1991 Apr;44(4):382-9. PMID: [2042705](#)

Article Published Date : Apr 01, 1991

Authors : A Escajadillo, J K Frenkel

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Infectious : CK(10) : AC(5),
Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model :
CK(41) : AC(17)

Vaccine-induced Toxicity (AC 168) (CK 1181)

"Adverse events associated with 17D-derived yellow fever vaccination--United States, 2001-2002."

Pubmed Data : MMWR Morb Mortal Wkly Rep. 2002 Nov 8 ;51(44):989-93. PMID: [12455906](#)

Article Published Date : Nov 08, 2002

Study Type : Review

Additional Links

Diseases : Brain Inflammation : CK(274) : AC(145), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Yellow Fever : CK(13)
: AC(2)

"Chart-confirmed guillain-barre syndrome after 2009 H1N1 influenza vaccination among the Medicare population, 2009-2010."

Pubmed Data : Am J Epidemiol. 2013 Sep 15 ;178(6):962-73. Epub 2013 May 6. PMID: [23652165](#)

Article Published Date : Sep 14, 2013

Authors : Laura L Polakowski, Sukhminder K Sandhu, David B Martin, Robert Ball, Thomas E Macurdy, Riley L Franks, Jonathan M Gibbs, Garner F Kropp, Armen Avagyan, Jeffrey A Kelman, Christopher M Worrall, Guoying Sun, Rebecca E Kliman, Dale R Burwen

Study Type : Human Study

Additional Links

Diseases : Guillain-Barre Syndrome : CK(110) : AC(18) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

"Mechanisms of aluminum adjuvant toxicity and autoimmunity in pediatric populations."

Pubmed Data : Lupus. 2012 ;21(2):223-30. PMID: [22235057](#)

Article Published Date : Jan 01, 2012

Authors : L Tomljenovic, Ca Shaw

Study Type : Review

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75) , Autoimmune Diseases : CK(6629) : AC(1128) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78) , Aluminum Hydroxide : CK(79) : AC(18) , Vaccine Adjuvants : CK(594) : AC(118)

"Viral nucleic acids in live-attenuated vaccines: detection of minority variants and an adventitious virus."

Pubmed Data : J Virol. 2010 Jun ;84(12):6033-40. Epub 2010 Apr 7. PMID: [20375174](#)

Article Published Date : May 31, 2010

Authors : Joseph G Victoria, Chunlin Wang, Morris S Jones, Crystal Jaing, Kevin McLoughlin, Shea Gardner, Eric L Delwart

Study Type : Review

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adventitious Viruses : CK(18) : AC(9) , Iatrogenic Disease : CK(226) : AC(26)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Rotavirus : CK(33) : AC(6)

38,787 adverse events including infant death (highest in 1-3 month olds) after vaccination were reported between 1991-1994. (The authors speciously claim SIDS and not vaccination caused these deaths).

Pubmed Data : J Pediatr. 1997 Oct;131(4):529-35. PMID: [9386653](#)

Article Published Date : Oct 01, 1997

Authors : M M Braun, S S Ellenberg

Study Type : Meta Analysis

Additional Links

Diseases : [Hearing Loss: Sudden](#) : CK(30) : AC(3) , [Infant Mortality](#) : CK(249) : AC(25), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

A case of Leukemia Cutis arising at the site of injection of a Tetanus Booster has been reported.

Pubmed Data : Actas Dermosifiliogr. 2010 Oct;101(8):727-9. PMID: [20965018](#)

Article Published Date : Oct 01, 2010

Authors : R M Guinovart, J M Carrascosa, C Ferrándiz

Study Type : Human: Case Report

Additional Links

Diseases : [Leukemia Cutis](#) : CK(3) : AC(1) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Tetanus](#) : CK(74) : AC(12)

A case of extensive ulcerating vasculitis following a BCG vaccination has been reported.

Pubmed Data : J Plast Reconstr Aesthet Surg. 2009 Aug;62(8):e286-9. Epub 2007 Dec 31. PMID: [18166508](#)

Article Published Date : Aug 01, 2009

Authors : A Ghattaura, K A Eley, E Molenaar, G Smith

Study Type : Human: Case Report

Additional Links

Diseases : [Vaccine-induced Toxicity](#) : CK(1325) : AC(194), [Vasculitis](#) : CK(48) : AC(11)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: BCG \(Tuberculosis\)](#) : CK(33) : AC(4)

A measles outbreak was reported in a highly vaccinated population, San Diego, 2008

Pubmed Data : Pediatrics. 2010 Apr ;125(4):747-55. Epub 2010 Mar 22. PMID: [20308208](#)

Article Published Date : Mar 31, 2010

Authors : David E Sugerman, Albert E Barskey, Maryann G Delea, Ismael R Ortega-Sanchez, Daoling Bi, Kimberly J Ralston, Paul A Rota, Karen Waters-Montijo, Charles W Lebaron

Study Type : Human Study

Additional Links

Diseases : [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Additional Keywords : [Vaccine Failure](#) : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31)

A modified self-controlled case series method links multidose vaccinations to sudden unexpected death.

Pubmed Data : Stat Med. 2011 Mar 15;30(6):666-77. Epub 2010 Nov 30. PMID: [21337361](#)

Article Published Date : Mar 15, 2011

Authors : Ronny Kuhnert, Hartmut Hecker, Christina Poethko-Müller, Martin Schlaud, Mechtild Vennemann, Heather J Whitaker, C Paddy Farrington

Study Type : Human Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

A post vaccine case report involving an adverse event and the presence of a microdeletion of chromosome 22 linked to the DiGeorge syndrome.

Pubmed Data : Vaccine. 2014 Sep 29 ;32(43):5552-4. Epub 2014 Aug 30. PMID: [25171844](#)

Article Published Date : Sep 28, 2014

Authors : Mariella Valenzise, Antonio Cascio, Malgorzata Wasniewska, Giuseppina Zirilli, Maria Ausilia Catena, Stefania Arasi

Study Type : Human: Case Report

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), DiGeorge Syndrome : CK(3) : AC(1), Encephalitis : CK(31) : AC(8), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Reaction : CK(13) : AC(2), Chromosome : CK(16) : AC(4), Genomic Variation : CK(143) : AC(18), Modified Viral Antigens : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows.

Pubmed Data : Am J Vet Res. 1996 Nov;57(11):1604-7. PMID: [8915438](#)

Article Published Date : Nov 01, 1996

Authors : M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30), Animal Diseases: Infectious : CK(10) : AC(5), Vaccination: Abortion : CK(40) : AC(13), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination.

Pubmed Data : J Clin Neurosci. 2008 Dec;15(12):1315-22. Epub 2008 Oct 30. PMID: [18976924](#)

Article Published Date : Dec 01, 2008

Authors : William Huynh, Dennis J Cordato, Elias Kehdi, Lynette T Masters, Chris Dedousis

Study Type : Commentary

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Encephalomyelitis : CK(24) : AC(15), Neuromyelitis Optica : CK(22) : AC(5), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Acute immune thrombocytopenic purpura as adverse reaction to oral polio vaccine (OPV).

Pubmed Data : Hum Vaccin Immunother. 2013 Jun 4 ;9(8). Epub 2013 Jun 4. PMID: [23807364](#)

Article Published Date : Jun 03, 2013

Authors : Cheng-Qiang Jin, Hai-Xin Dong, Zhuo-Xiang Sun, Jian-Wei Zhou, Cui-Yun Dou, Shu-Hua Lu, Rui-Rui Yang

Study Type : Human: Case Report

Additional Links

Diseases : Purpura: Thrombocytopenic : CK(231) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Oral Polio Vaccine, Bivalent : CK(10) : AC(1)

Acute necrotizing encephalopathy secondary to diphtheria, tetanus toxoid and whole-cell pertussis vaccination has been reported.

Pubmed Data : Pediatr Radiol. 2010 Jul;40(7):1281-4. Epub 2010 Jan 30. PMID: [20119724](#)

Article Published Date : Jul 01, 2010

Authors : Hale Aydin, Esra Ozgul, Ahmet Muhtesem Agildere

Study Type : Human Study

Additional Links

Diseases : Encephalopathy: Acute Necrotizing : CK(20) : AC(2), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Acute transverse myelitis after influenza vaccination has been reported.

Pubmed Data : J Neuroimaging. 1996 Oct;6(4):248-50. PMID: [8903080](#)

Article Published Date : Oct 01, 1996

Authors : R Bakshi, J C Mazziotta

Study Type : Human: Case Report

Additional Links

Diseases : Myelitis : CK(42) : AC(6) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity.

Pubmed Data : Hum Vaccin. 2011 Aug 1 ;7(8). Epub 2011 Aug 1. PMID: [21785282](#)

Article Published Date : Aug 01, 2011

Authors : Salvatore Chirumbolo

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128) , Hypersensitivity : CK(74) : AC(22) , Immune Disorders: B-Cell Over-Activity : CK(2) : AC(2) , Immune Dysregulation: TH1/TH2 imbalance : CK(171) : AC(45) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Adjuvant : CK(18) : AC(6)

Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year.

Pubmed Data : Clin Exp Rheumatol. 2002 Nov-Dec;20(6):767-71. PMID: [12508767](#)

Article Published Date : Nov 01, 2002

Authors : D A Geier, M R Geier

Study Type : Animal Study

Additional Links

Diseases : Arthritis : CK(1964) : AC(312) , Autoimmune Diseases : CK(6629) : AC(1128) , Rheumatoid Arthritis : CK(706) : AC(117) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5) , Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Adverse effects of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine in 6- to 7-year-old

children.

Pubmed Data : Pediatr Neonatol. 2011 Feb;52(1):38-41. Epub 2011 Feb 17. PMID: [21385656](#)

Article Published Date : Feb 01, 2011

Authors : Sung-Hsi Wei, Yen-Nan Chao, Song-En Huang, Tsuey-Feng Lee, Luan-Yin Chang

Study Type : Human Study

Additional Links

Diseases : Tetanus : CK(47) : AC(5), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Adverse events following smallpox vaccination with ACAM2000 in a military population have been reported.

Pubmed Data : Arch Dermatol. 2010 Jun;146(6):656-61. PMID: [20566929](#)

Article Published Date : Jun 01, 2010

Authors : Thomas M Beachkofsky, Scott C Carrizales, Jeffrey J Bidinger, David E Hrncir, Darren E Whittemore, Chad M Hivnor

Study Type : Human Study

Additional Links

Diseases : Smallpox : CK(23) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194), Vaccinia virus : CK(27) : AC(6)

Anti Therapeutic Actions : Vaccination: Smallpox : CK(71) : AC(8)

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.

Pubmed Data : Med Hypotheses. 2009 Feb;72(2):135-9. Epub 2008 Nov 11. PMID: [19004564](#)

Article Published Date : Feb 01, 2009

Authors : Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier

Study Type : Commentary

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75), Chronic Fatigue Syndrome : CK(275) : AC(40), Myopathy: Inflammatory : CK(1) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Among female infants, those who receive both BCG and DTP vaccines experience higher mortality than those who receive only one of the two vaccines.

Pubmed Data : Trop Med Int Health. 2005 Oct;10(10):947-55. PMID: [16185228](#)

Article Published Date : Oct 01, 2005

Authors : Lawrence H Moulton, Lakshmi Rahmathullah, Neal A Halsey, R D Thulasiraj, Joanne Katz, James M Tielsch

Study Type : Human Study

Additional Links

Diseases : Infant Mortality : CK(249) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: BCG (Tuberculosis) : CK(33) : AC(4), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

An Italian study found that 61% of women experienced an adverse event after the administration of the first dose of HPV vaccine.

Pubmed Data : Recent Prog Med. 2013 Jun ;104(6):262-6. PMID: [23801230](#)

Article Published Date : May 31, 2013

Authors : Stefania Spila-Alegiani, Roberto Da Cas, Cristina Giambi, Roberto Raschetti, Stefania Salmaso

Study Type : Human Study

Additional Links

Diseases : Human Papillomavirus (HPV) : CK(212) : AC(35), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

An association between Pandemrix vaccination and narcolepsy has been observed in Finland and Sweden

Pubmed Data : Euro Surveill. 2014 ;19(17):15-25. Epub 2014 May 1. PMID: [24821121](#)

Article Published Date : Dec 31, 2013

Authors : D O'Flanagan, A S Barret, M Foley, S Cotter, C Bonner, C Crowe, B Lynch, B Sweeney, H Johnson, B McCoy, E Purcell

Study Type : Human Study

Additional Links

Diseases : Narcolepsy : CK(41) : AC(5), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.

Pubmed Data : J Neurosci Res. 2001 Sep 1;65(5):446-54. PMID: [11536329](#)

Article Published Date : Sep 01, 2001

Authors : C Besson Duvanel, P Honegger, J M Matthieu

Study Type : Animal Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Multiple Sclerosis : CK(964) : AC(184), Rubella : CK(54) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Autism spectrum disorders are associated with vaccination, heavy metal toxicity and excitotoxicity.

Pubmed Data : Altern Ther Health Med. 2008 Nov-Dec;14(6):46-53. PMID: [19043938](#)

Article Published Date : Nov 01, 2008

Authors : Russell L Blaylock

Study Type : Commentary

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159), Excitotoxicity : CK(58) : AC(35), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Autistic children have elevated levels of measles antibodies indicating that measles vaccination may be causing autoimmunity in these children.

Pubmed Data : Pediatr Neurol. 2003 Apr;28(4):292-4. PMID: [12849883](#)

Article Published Date : Apr 01, 2003

Authors : Vijendra K Singh, Ryan L Jensen

Study Type : Human Study

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Autoimmune hemolytic anemia following MF59-adjuvanted influenza vaccine has been reported.

Pubmed Data : Ann Pharmacother. 2011 Jan;45(1):e8. Epub 2010 Dec 28. PMID: [21189364](#)

Article Published Date : Jan 01, 2011

Authors : Sabrina Montagnani, Marco Tuccori, Giuseppe Lombardo, Arianna Testi, Stefania

Mantarro, Elisa Ruggiero, Corrado Blandizzi

Study Type : Human: Case Report

Additional Links

Diseases : Hemolytic Anemia : CK(34) : AC(6) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Autoimmunity following hepatitis B vaccine has been reported.

Pubmed Data : Lupus. 2012 Feb ;21(2):146-52. PMID: [22235045](#)

Article Published Date : Jan 31, 2012

Authors : Y Zafrir, N Agmon-Levin, Z Paz, T Shilton, Y Shoenfeld

Study Type : Human: Case Report

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52)

Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy.

Pubmed Data : Am J Epidemiol. 2008 Aug 15 ;168(4):434-42. Epub 2008 Jul 2. PMID: [18599489](#)

Article Published Date : Aug 15, 2008

Authors : Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson

Study Type : Human Study

Additional Links

Diseases : Anthrax : CK(47) : AC(9) , Birth Defects : CK(204) : AC(39) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Anthrax : CK(62) : AC(8)

Adverse Pharmacological Actions : Teratogenic : CK(320) : AC(63)

Breastfeeding attenuates reductions in energy intake induced by a mild immunologic stimulus represented by DPTH immunization.

Pubmed Data : J Nutr. 2002 Jun;132(6):1293-8. PMID: [12042449](#)

Article Published Date : Jun 01, 2002

Authors : Mardya López-Alarcón, Cutberto Garza, Jean-Pierre Habicht, Lourdes Martínez, Virginia Pegueros, Salvador Villalpando

Study Type : Human Study

Additional Links

Substances : Breast Milk : CK(438) : AC(50)

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Therapeutic Actions : Breastfeeding : CK(803) : AC(85)

Pharmacological Actions : Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1823) : AC(669)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Breastfeeding is associated with a decreased incidence of fever after immunizations.

Pubmed Data : Pediatrics. 2010 Jun;125(6):e1448-52. Epub 2010 May 17. PMID: [20478932](#)

Article Published Date : Jun 01, 2010

Authors : Alfredo Pisacane, Paola Continisio, Orsola Palma, Stefania Cataldo, Fabiola De Michele, Ugo Vairo

Study Type : Human Study

Additional Links

Substances : Breast Milk : CK(438) : AC(50)

Diseases : Fever : CK(90) : AC(17) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Therapeutic Actions : Breastfeeding : CK(803) : AC(85)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

CRP level in infants is elevated in the 48 hours following immunization.

Pubmed Data : J Pediatr. 2007 Aug ;151(2):167-72. Epub 2007 Jun 22. PMID: [17643770](#)

Article Published Date : Aug 01, 2007

Authors : Massroor Pourcyrus, Sheldon B Korones, Kristopher L Arheart, Henrietta S Bada

Study Type : Human Study

Additional Links

Diseases : C-Reactive Protein : CK(1852) : AC(174) , Premature Birth : CK(424) : AC(45) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Multiple Vaccines : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Case report: a shoulder injury related to vaccine administration.

Pubmed Data : J Am Board Fam Med. 2012 Nov ;25(6):919-22. PMID: [23136333](#)

Article Published Date : Oct 31, 2012

Authors : Matthew G Barnes, Christopher Ledford, Karen Hogan

Study Type : Human: Case Report

Additional Links

Diseases : [Shoulder Injuries](#) : CK(23) : AC(2), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Influenza](#) : CK(435) : AC(50)

Children vaccinated with MMR before age 10 are at significantly higher risk of multiple sclerosis.

Pubmed Data : Eur J Epidemiol. 2009;24(9):541-52. Epub 2009 Jul 26. PMID: [19633994](#)

Article Published Date : Jan 01, 2009

Authors : Cecilia Ahlgren, Kjell Torén, Anders Odén, Oluf Andersen

Study Type : Human Study

Additional Links

Diseases : [Multiple Sclerosis](#) : CK(964) : AC(184), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Mumps-Measles-Rubella \(MMR\)](#) : CK(276) : AC(37)

Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.

Pubmed Data : Autoimmun Rev. 2008 Oct;8(1):52-5. Epub 2008 Aug 24. PMID: [18725327](#)

Article Published Date : Oct 01, 2008

Authors : Agmon-Levin Nancy, Yehuda Shoenfeld

Study Type : Human Study

Additional Links

Diseases : [Breast Augmentation Complications](#) : CK(32) : AC(4), [Chronic Fatigue Syndrome](#) : CK(275) : AC(40), [Hepatitis B](#) : CK(241) : AC(46), [Silicone Implant Toxicity](#) : CK(10) : AC(1), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Additional Keywords : [Silicone Implants](#) : CK(10) : AC(1)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Combined MMR and varicella live vaccine is associated with higher rates of febrile convulsion than giving the vaccines separately.

Pubmed Data : Vaccine. 2009 Jul 23;27(34):4656-61. Epub 2009 Jun 9. PMID: [19520201](#)

Article Published Date : Jul 23, 2009

Authors : Steven J Jacobsen, Bradley K Ackerson, Lina S Sy, Trung N Tran, Tonia L Jones, Janis F Yao, Fagen Xie, T Craig Cheetham, Patricia Saddier

Study Type : Human Study

Additional Links

Diseases : Febrile Seizures : CK(33) : AC(5), Vaccine-induced Toxicity : CK(1325) : AC(194), Varicella : CK(50) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Congenital malformation is a possible consequence of rubella vaccination during pregnancy.

Pubmed Data : JAMA. 1981 Sep 25;246(13):1413-7. PMID: [7265443](#)

Article Published Date : Sep 25, 1981

Authors : S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann

Study Type : Human Study

Additional Links

Diseases : Birth Defects : CK(204) : AC(39), Pregnancy: Vaccination : CK(92) : AC(16), Rubella : CK(54) : AC(4), Vaccination: Abortion : CK(40) : AC(13), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(5137) : AC(437)

DPT vaccines have been associated with recurrent seizures.

Pubmed Data : Am J Dis Child. 1984 Oct;138(10):908-11. PMID: [6206715](#)

Article Published Date : Oct 01, 1984

Authors : J V Murphy, L D Sarff, K M Marquardt

Study Type : Human Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23), Seizures : CK(190) : AC(55), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.

Pubmed Data : J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: [10714532](#)

Article Published Date : Feb 01, 2000

Authors : E L Hurwitz, H Morgenstern

Study Type : Meta Analysis

Additional Links

Diseases : Allergies : CK(703) : AC(132), Allergies: Childhood : CK(70) : AC(6), Asthma : CK(1157) : AC(190), Hypersensitivity : CK(74) : AC(22), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-

DTP vaccination may contribute to urinary tract disease and sudden infant death syndrome.

Pubmed Data : [Reprod Biomed Online](#). 2010 Jul;21(1):100-8. Epub 2010 Mar 30. PMID: [15356430](#)

Article Published Date : Jul 01, 2010

Authors : Joseph Prandota

Study Type : Commentary

Additional Links

Diseases : [Sudden Infant Death Syndrome \(SIDS\)](#) : CK(138) : AC(18) , [Urinary Tract Infections](#) : CK(397) : AC(57), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Diphtheria-Pertussis-Tetanus](#) : CK(315) : AC(36)

DTP with or after measles vaccination is associated with increased in-hospital mortality in Guinea-Bissau.

Pubmed Data : [Vaccine](#). 2007 Jan 26;25(7):1265-9. Epub 2006 Oct 18.

Article Published Date : Jan 25, 2007

Authors : Peter Aaby, Sidu Biai, Jens Erik Veirum, Morten Sodemann, Ida Lisse, May-Lill Garly, Henrik Ravn, Christine Stabell Benn, Amabelia Rodrigues

Study Type : Human Study

Additional Links

Diseases : [Infant Mortality](#) : CK(249) : AC(25), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Combinations](#) : CK(20) : AC(2)

Deep morphea after vaccination in two young children has been reported.

Pubmed Data : [Pediatr Dermatol](#). 2006 Sep-Oct;23(5):484-7. PMID: [17014648](#)

Article Published Date : Sep 01, 2006

Authors : Antonio Torrelo, José Suárez, Isabel Colmenero, Daniel Azorín, Antonio Perera, Antonio Zambrano

Study Type : Human: Case Report

Additional Links

Diseases : [Morphea profunda](#) : CK(3) : AC(1) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Delayed focal lipoatrophy after AS03-adjuvanted influenza A (H1N1) 2009 vaccine has been reported.

Pubmed Data : Vaccine. 2010 Dec 17. Epub 2010 Dec 17. PMID: [21172376](#)

Article Published Date : Dec 17, 2010

Authors : Emilie Javelle, Benjamin Soulier, Christian Brosset, Solène Lorcy, Fabrice Simon

Study Type : Human: Case Report

Additional Links

Diseases : Lipoatrophy : CK(3) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed.

Pubmed Data : Diabet Med. 2011 Jul 22. Epub 2011 Jul 22. PMID: [21781156](#)

Article Published Date : Jul 22, 2011

Authors : H Yasuda, M Nagata, H Moriyama, H Kobayashi, T Akisaki, H Ueda, K Hara, K Yokono

Study Type : Human: Case Report

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Diabetes Mellitus: Type 1 : CK(1130) : AC(301), Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Diphtheria-tetanus-pertussis vaccine administered simultaneously with measles vaccine is associated with increased morbidity and poor growth in girls.

Pubmed Data : Vaccine. 2011 Jan 10;29(3):487-500. Epub 2010 Nov 18. PMID: [21093496](#)

Article Published Date : Jan 10, 2011

Authors : J Agergaard, E Nante, G Poulstrup, J Nielsen, K L Flanagan, L Østergaard, C S Benn, P Aaby

Study Type : Human Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Combinations : CK(20) : AC(2), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Measles : CK(252) : AC(31)

Diphtheria-tetanus-peteruss vaccines increase child mortality in rural Guinea-Bissau.

Pubmed Data : Int J Epidemiol. 2004 Apr;33(2):374-80. PMID: [15082643](#)

Article Published Date : Apr 01, 2004

Authors : Peter Aaby, Henrik Jensen, Joaquim Gomes, Manual Fernandes, Ida Maria Lisse

Study Type : Human Study

Additional Links

Diseases : [Infant Mortality](#) : CK(249) : AC(25), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

During the first five yeras of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women.

Pubmed Data : Am J Obstet Gynecol. 1976 Feb 15;124(4):327-32. PMID: [1251853](#)

Article Published Date : Feb 15, 1976

Authors : M Siegel

Study Type : Review

Additional Links

Diseases : [Pregnancy: Vaccination](#) : CK(92) : AC(16), [Rubella](#) : CK(54) : AC(4), [Vaccination: Abortion](#) : CK(40) : AC(13), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Adult Rubella](#) : CK(24) : AC(5), [Vaccination: All](#) : CK(5137) : AC(437)

Even though 95% of the children had measles antibodies after vaccination, vaccine efficacy was not more than 68%.

Pubmed Data : J Infect Dis. 1990 Nov ;162(5):1043-8. PMID: [2230232](#)

Article Published Date : Oct 31, 1990

Authors : P Aaby, K Knudsen, T G Jensen, J Thårup, A Poulsen, M Sodemann, M C da Silva, H Whittle

Study Type : Human Study

Additional Links

Diseases : [Measles](#) : CK(291) : AC(33), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Additional Keywords : [Antibody Theory Of Vaccinology](#) : CK(75) : AC(5), [Vaccine Failure](#) : CK(255) : AC(32)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Measles](#) : CK(252) : AC(31)

Evidence exists demonstrating that diphtheria-tetanus-pertussis (DTP) vaccines increase mortality in children.

Pubmed Data : Trop Med Int Health. 2007 Jan;12(1):15-24. PMID: [17207144](#)

Article Published Date : Jan 01, 2007

Authors : Peter Aaby, Christine Stabell Benn, Jens Nielsen, Ida Maria Lisse, Amabelia Rodrigues, Henrik Jensen

Study Type : Human Study

Additional Links

Diseases : [Child Mortality](#) : CK(74) : AC(9), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Fatal adverse pulmonary reaction in calves after inadvertent intravenous vaccination has been reported.

Pubmed Data : Vet Pathol. 2005 Jul;42(4):492-5. PMID: [16006609](#)

Article Published Date : Jul 01, 2005

Authors : J D Ramsay, C L Williams, E Simko

Study Type : Animal Study

Additional Links

Diseases : [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Animal Model](#) : CK(41) : AC(17)

Feline injection site-associated sarcoma is a serious problem associated with malignancy.

Pubmed Data : Vet Microbiol. 2006 Oct 5;117(1):59-65. PMID: [16769184](#)

Article Published Date : Oct 05, 2006

Authors : Jolle Kirpensteijn

Study Type : Review

Additional Links

Diseases : [Sarcoma](#) : CK(56) : AC(35), [Tumors](#) : CK(203) : AC(119), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Animal Model](#) : CK(41) : AC(17)

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.

Pubmed Data : Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: [21945263](#)

Article Published Date : Sep 20, 2011

Authors : Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

Study Type : Human Study

Additional Links

Diseases : CRP : CK(30) : AC(3), Elevated CRP : CK(82) : AC(9), Pre-Eclampsia : CK(299) : AC(33), Pregnancy: Vaccination : CK(92) : AC(16), Pregnancy Complications : CK(192) : AC(23), Preterm Birth: Prevention : CK(111) : AC(9), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions : Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factor α (TNF α) up-regulation : CK(42) : AC(4)

From 1990 to the present, the number of cases (n = 31) and deaths (n = 12) from the yellow fever vaccine in travelers has exceeded the reports of YF (n = 6) acquired by natural infection.

Pubmed Data : Expert Rev Vaccines. 2012 Apr ;11(4):427-48. PMID: [22551029](#)

Article Published Date : Apr 01, 2012

Authors : Thomas P Monath

Study Type : Review

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194), Yellow Fever : CK(1) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Yellow Fever : CK(13) : AC(2)

Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.

Pubmed Data : Ann Pharmacother. 2010 Jul-Aug;44(7-8):1330-3. Epub 2010 May 18. PMID: [20484170](#)

Article Published Date : Jul 01, 2010

Authors : Marie-Eve Tremblay, Aurélie Closon, Guy D'Anjou, Jean-François Bussi eres

Study Type : Human: Case Report

Additional Links

Diseases : Childhood Infections : CK(275) : AC(29), Guillain-Barre Syndrome : CK(110) : AC(18), Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

HIV-1/AIDS may have been caused by contaminated polio vaccines grown in SIV infected chimpanzee kidney cells during the late 1950's.

Pubmed Data : Mol Nutr Food Res. 2010 Jan 28. Epub 2010 Jan 28. PMID: [11405924](#)

Article Published Date : Jan 28, 2010

Authors : E Hooper

Study Type : Commentary

Additional Links

Diseases : [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Hair mercury in breast-fed infants exposed to thimerosal-preserved vaccines indicates significant levels of exposure.

Pubmed Data : Eur J Pediatr. 2007 Sep;166(9):935-41. Epub 2007 Jan 20. PMID: [17237965](#)

Article Published Date : Sep 01, 2007

Authors : Rejane C Marques, José G Dórea, Márlon F Fonseca, Wanderley R Bastos, Olaf Malm

Study Type : Human Study

Additional Links

Diseases : [Mercury Poisoning](#) : CK(228) : AC(178) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Therapeutic Actions : [Breastfeeding](#) : CK(803) : AC(85)

Anti Therapeutic Actions : [Vaccination: Diphtheria-Pertussis-Tetanus](#) : CK(315) : AC(36) ,
[Vaccination: Hepatitis B](#) : CK(429) : AC(54)

Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.

Pubmed Data : Adv Exp Med Biol. 1990;272:183-95. PMID: [20077677](#)

Article Published Date : Jan 01, 1990

Authors : Fu-Zhen Wang, Fu-Qiang Cui, Da-Wei Liu

Study Type : Human: Case Report

Additional Links

Diseases : [Anaphylaxis](#) : CK(67) : AC(18) , [Infant Mortality](#) : CK(249) : AC(25) , [Sudden Infant Death Syndrome \(SIDS\)](#) : CK(138) : AC(18) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Hepatitis B](#) : CK(429) : AC(54)

Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple sclerosis.

Pubmed Data : Med Hypotheses. 2006;66(1):84-6. Epub 2005 Sep 19. PMID: [16176857](#)

Article Published Date : Jan 01, 2006

Authors : Yannick Comenge, Marc Girard

Study Type : Commentary

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between Hepatitis B virus surface antigen and myelin basic protein.

Pubmed Data : Clin Dev Immunol. 2005 Sep;12(3):217-24. PMID: [16295528](#)

Article Published Date : Sep 01, 2005

Authors : Dimitrios-Petrou Bogdanos, Heather Smith, Yun Ma, Harold Baum, Giorgina Mieli-Vergani, Diego Vergani

Study Type : Human Study

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Demyelinating Diseases : CK(1671) : AC(332), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Hepatitis B Vaccine : CK(30) : AC(2), Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities.

Pubmed Data : Hepatogastroenterology. 2002 Nov-Dec;49(48):1571-5. PMID: [12397738](#)

Article Published Date : Nov 01, 2002

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Gastrointestinal Diseases : CK(76) : AC(24), Hepatitis : CK(66) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccinations is associated with autoimmune hazards.

Pubmed Data : Autoimmun Rev. 2005 Feb;4(2):96-100. PMID: [15722255](#)

Article Published Date : Feb 01, 2005

Authors : Marc Girard

Study Type : Review

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Hepatitis B : CK(241) : AC(46), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccine alters the expression of 144 genes in the mouse liver within 1 day of vaccination, 7 of which are related to inflammation and metabolism.

Pubmed Data : Mol Biol Rep. 2011 Jun 21. Epub 2011 Jun 21. PMID: [21691704](#)

Article Published Date : Jun 21, 2011

Authors : Heyam Hamza, Jianhua Cao, Xinyun Li, Shuhong Zhao

Study Type : Animal Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccine associated with dermatomyositis has been reported.

Pubmed Data : Rheumatol Int. 2008 Apr;28(6):609-12. Epub 2007 Nov 23. PMID: [18034245](#)

Article Published Date : Apr 01, 2008

Authors : Arie Altman, Martine Szyper-Kravitz, Yehuda Shoenfeld

Study Type : Human: Case Report

Additional Links

Diseases : Dermatomyositis : CK(47) : AC(10), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccine induces cell death in liver cells and mouse liver.

Pubmed Data : Apoptosis. 2012 Jan 17. Epub 2012 Jan 17. PMID: [22249285](#)

Article Published Date : Jan 17, 2012

Authors : Heyam Hamza, Jianhua Cao, Xinyun Li, Changchun Li, Mengjin Zhu, Shuhong Zhao

Study Type : Animal Study

Additional Links

Diseases : Liver Damage : CK(877) : AC(329), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)
Problem Substances : Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)
Adverse Pharmacological Actions : Hepatotoxic : CK(320) : AC(92)

Hepatitis B vaccine is associated with an increased risk of liver problems in U.S. children less than 6 years old, 1993 and 1994.

Pubmed Data : Epidemiology. 1999 May;10(3):337-9. PMID: [10230847](#)

Article Published Date : May 01, 1999

Authors : M A Fisher, S A Eklund

Study Type : Human Study

Additional Links

Diseases : Liver Disease : CK(145) : AC(41), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.

Pubmed Data : Neurology. 2004 Sep 14;63(5):838-42. PMID: [15365133](#)

Article Published Date : Sep 14, 2004

Authors : Miguel A Hernán, Susan S Jick, Michael J Olek, Hershel Jick

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Hepatitis B Vaccine : CK(30) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Hepatitis B vaccine may have a possible association with the development of uveitis in some patients.

Pubmed Data : Cutan Ocul Toxicol. 2010 Mar;29(1):26-9. PMID: [19947819](#)

Article Published Date : Mar 01, 2010

Authors : Frederick W Fraunfelder, Eric B Suhler, Frederick T Fraunfelder

Study Type : Human Study

Additional Links

Diseases : Uveitis : CK(79) : AC(15), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429)

Hepatitis C prevalence in Southern Italy may be due to iatrogenic transmission through the Salk Polio vaccine 1956-1965.

Pubmed Data : J Med Virol. 2003 May;70(1):49-50. PMID: [12629643](#)

Article Published Date : May 01, 2003

Authors : Maurizio Montella, Anna Crispo, Maria Grimaldi, Vincenzo Tridente, Mario Fusco

Study Type : Human Study

Additional Links

Diseases : Hepatitis C : CK(474) : AC(87) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

High antibody titres against predicted Mycoplasma surface proteins do not prevent sequestration in infected lung tissue in the course of experimental contagious bovine pleuropneumonia.

Pubmed Data : Vet Microbiol. 2014 Aug 6 ;172(1-2):285-93. Epub 2014 May 5. PMID: [24880898](#)

Article Published Date : Aug 05, 2014

Authors : Elise Schieck, Anne Liljander, Carl Hamsten, Nimmo Gicheru, Massimo Scacchia, Flavio Sacchini, Martin Heller, Christiane Schnee, Anja Sterner-Kock, Andreas Hlinak, Jan Naessens, Jane Poole, Anja Persson, Joerg Jores

Study Type : Human Study

Additional Links

Diseases : Mycoplasma Infections : CK(14) : AC(5) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Antibody Theory Of Vaccinology : CK(75) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

High titre measles vaccination increases female mortality in those receiving immunization in West Africa.

Pubmed Data : Int J Epidemiol. 1996 Jun;25(3):665-73. PMID: [8671571](#)

Article Published Date : Jun 01, 1996

Authors : K M Knudsen, P Aaby, H Whittle, M Rowe, B Samb, F Simondon, J Sterne, P Fine

Study Type : Human Study

Additional Links

Diseases : Measles : CK(291) : AC(33) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) : AC(31)

Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.

Pubmed Data : Mult Scler. 2009 Jan;15(1):116-9. Epub 2008 Sep 19. PMID: [18805844](#)

Article Published Date : Jan 01, 2009

Authors : I Sutton, R Lahoria, Il Tan, P Clouston, Mh Barnett

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), HPV : CK(31) : AC(4), Human Papillomavirus (HPV) : CK(212) : AC(35), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : HPV Vaccine : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Immune-mediated myelitis following hepatitis B vaccination has been reported.

Pubmed Data : Autoimmun Rev. 2012 Apr 1. Epub 2012 Apr 1. PMID: [22498789](#)

Article Published Date : Apr 01, 2012

Authors : Joerg-Patrick Stübgen

Study Type : Human: Case Report

Additional Links

Diseases : Myelitis : CK(42) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

In 1985 twin boys simultaneously succumbed to sudden unexpected deaths two to three hours after vaccination with diphtheria, tetanus, and pertussis vaccine (DTP).

Pubmed Data : Arch Dis Child. 1987 Jul;62(7):754-9. PMID: [3498443](#)

Article Published Date : Jul 01, 1987

Authors : S C Roberts

Study Type : Human: Case Report

Additional Links

Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

In 2011, there were an extra 47,500 new cases of non-polio

acute flaccid paralysis (NPAFP); Clinically indistinguishable from polio paralysis but twice as deadly, the incidence of NPAFP was directly proportional to doses of oral polio received.

Pubmed Data : Indian J Med Ethics. 2012 Apr-Jun;9(2):114-7. PMID: [22591873](#)

Article Published Date : Apr 01, 2012

Authors : Neetu Vashisht, Jacob Puliyeel

Study Type : Review

Additional Links

Diseases : Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3) , Poliomyelitis : CK(33) : AC(4) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Polio : CK(98) : AC(17)

In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.

Pubmed Data : Int Ophthalmol Clin. 1975;15(4):229-41. PMID: [773881](#)

Article Published Date : Jan 01, 1975

Authors : V Boniuk

Study Type : Human Study

Additional Links

Diseases : Cataract : CK(196) : AC(61) , Pregnancy: Vaccination : CK(92) : AC(16) , Rubella : CK(54) : AC(4) , Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Adult Rubella : CK(24) : AC(5) , Vaccination: All : CK(5137) : AC(437)

In the US the highest number of cases of Guillain-Barre syndrome are associated with influenza and hepatitis B vaccines.

Pubmed Data : J Clin Neuromuscul Dis. 2009 Sep;11(1):1-6. PMID: [19730016](#)

Article Published Date : Sep 01, 2009

Authors : Nizar Souayah, Abu Nasar, M Fareed K Suri, Adnan I Qureshi

Study Type : Human Study

Additional Links

Diseases : Guillain-Barre Syndrome : CK(110) : AC(18) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: Influenza : CK(435) : AC(50)

Incidence of adverse reactions to vaccines in pediatric populations are under-reported and may be as high as 43.4% for certain vaccine combinations.

Pubmed Data : Clin Drug Investig. 2004;24(8):457-63. PMID: [17523706](#)

Article Published Date : Jan 01, 2004

Authors : Pilar Carrasco-Garrido, Carmen Gallardo-Pino, Rodrigo Jiménez-García, Miguel A Tapias, Angel Gil de Miguel

Study Type : Human Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period.

Pubmed Data : Med J Aust. 2010 Jul 19;193(2):110-3. PMID: [20642419](#)

Article Published Date : Jul 19, 2010

Authors : Mark R Nelson, Helena C Britt, Christopher M Harrison

Study Type : Human Study

Additional Links

Diseases : Chickenpox : CK(113) : AC(12) , Herpes Zoster : CK(473) : AC(36) , Shingles : CK(473) : AC(36), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Chicken Pox (Varicella) Shingles (Herpes Zoster) Connection : CK(20) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Infection and vaccines are triggers for autoimmune disease.

Pubmed Data : Autoimmunity. 2005 May;38(3):235-45. PMID: [16126512](#)

Article Published Date : May 01, 2005

Authors : Vered Molina, Yehuda Shoenfeld

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.

Pubmed Data : J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: [20964738](#)

Article Published Date : Sep 01, 2010

Authors : Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

Study Type : Human Study

Additional Links

Diseases : C-Reactive Protein : CK(1852) : AC(174), Cardiovascular Diseases : CK(7342) : AC(916), Diabetes Mellitus: Type 2 : CK(3572) : AC(624), Influenza A : CK(387) : AC(101), Vaccine-induced Toxicity : CK(1325) : AC(194)

Pharmacological Actions : Interleukin-6 upregulation : CK(26) : AC(7)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Influenza vaccination did not reduce the risk of subsequent hospital admission among patients with vaccine failure. These findings do not support the hypothesis that vaccination mitigates influenza illness severity.

Pubmed Data : Vaccine. 2014 Jan 16 ;32(4):453-7. Epub 2013 Nov 26. PMID: [24291201](#)

Article Published Date : Jan 15, 2014

Authors : Huong Q McLean, Jennifer K Meece, Edward A Belongia

Study Type : Human: Case Report

Additional Links

Diseases : Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Influenza vaccination may increase the risk of Guillain-Barré Syndrome.

Pubmed Data : Kidney Int. 2008 Dec;74(11):1461-7. Epub 2008 Sep 24. PMID: [18592444](#)

Article Published Date : Dec 01, 2008

Authors : C I Blanco-Marchite, L Buznego-Suárez, M A Fagúndez-Vargas, M Méndez-Llatas, P Pozo-Martos

Study Type : Human Study

Additional Links

Diseases : Guillain Barre Syndrome: Miller Fisher Variant : CK(13) : AC(2) , Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Influenza vaccines may be causing vasculitis.

Pubmed Data : J Ethnopharmacol. 2000 Aug;71(3):457-63. PMID: [19734734](#)

Article Published Date : Aug 01, 2000

Authors : Rainer Birck, Isabelle Kaelsch, Peter Schnuelle, Luis Felipe Flores-Suárez, Rainer Nowack

Study Type : Human Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Influenza vaccines were not shown to be effective among children 6 to 59 months of age during 2 influenza seasons.

Pubmed Data : Anticancer Res. 2009 Nov;29(11):4629-32. PMID: [18838647](#)

Article Published Date : Nov 01, 2009

Authors : Peter G Szilagyi, Gerry Fairbrother, Marie R Griffin, Richard W Hornung, Stephanie Donauer, Ardythe Morrow, Mekibib Altaye, Yuwei Zhu, Sandra Ambrose, Kathryn M Edwards, Katherine A Poehling, Geraldine Lofthus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat,

Study Type : Human Study

Additional Links

Diseases : Childhood Infections : CK(275) : AC(29) , Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Injection site reactions occur in 28% of those who receive the anthrax vaccine, with women having twice the incidence of reaction versus men.

Pubmed Data : Pharmacoepidemiol Drug Saf. 2007 Mar ;16(3):259-74. PMID: [17245803](#)

Article Published Date : Mar 01, 2007

Authors : Michael M McNeil, I-Shan Chiang, John T Wheeling, Yujia Zhang

Study Type : Human Study

Additional Links

Diseases : Anthrax : CK(47) : AC(9) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Gender Differences : CK(63) : AC(8)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Anthrax : CK(62) : AC(8)

Live attenuated influenza vaccines may cause shedding of the virus in children 6-59 months.

Pubmed Data : Vaccine. 2011 Apr 20. Epub 2011 Apr 20. PMID: [21513761](#)

Article Published Date : Apr 20, 2011

Authors : Raburn M Mallory, Tingting Yi, Christopher S Ambrose

Study Type : Human Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Animal Model : CK(41) : AC(17)

Maturation changes in amygdala volume and the binding capacity of an opioid antagonist in the amygdala was significantly altered in infant macaques receiving the vaccine schedule.

Pubmed Data : Acta Neurobiol Exp (Wars). 2010 ;70(2):147-64. PMID: [20628439](#)

Article Published Date : Dec 31, 2009

Authors : Laura Hewitson, Brian J Lopresti, Carol Stott, N Scott Mason, Jaime Tomko

Study Type : Animal Study

Additional Links

Diseases : Amygdala: Damage/Abnormalities : CK(12) : AC(2) , Neurodevelopmental Disorders : CK(217) : AC(33) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Problem Substances : Thimerosal : CK(757) : AC(85)

Measles vaccination in developing countries has resulted in higher infant mortality rates.

Pubmed Data : BMJ. 1993 Nov 20;307(6915):1294-5. PMID: [8257878](#)

Article Published Date : Nov 20, 1993

Authors : A J Hall, F T Cutts

Study Type : Review

Additional Links

Diseases : Child Mortality : CK(74) : AC(9) , Measles : CK(291) : AC(33) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Measles : CK(252) :

Measles vaccine and glyphosate-induced parkinsonism has been reported.

Pubmed Data : Arq Neuropsiquiatr. 2003 Jun ;61(2B):381-6. Epub 2003 Jul 28. PMID: [12894271](#)

Article Published Date : Jun 01, 2003

Authors : Maria do Desterro Leiros da Costa, Lílian Regina Gonçalves, Egberto Reis Barbosa, Luiz Alberto Bacheschi

Study Type : Human: Case Report

Additional Links

Diseases : Glyphosate Toxicity : CK(76) : AC(30), Parkinsonian Disorders : CK(25) : AC(13), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31)

Problem Substances : Glyphosate : CK(502) : AC(160)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its possible role in the pathogenesis of these disorders.

Pubmed Data : Dig Dis Sci. 2000 Apr;45(4):723-9. PMID: [10759242](#)

Article Published Date : Apr 01, 2000

Authors : H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield

Study Type : Human Study

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159), Inflammatory Bowel Diseases : CK(1052) : AC(197), Ulcerative Colitis : CK(295) : AC(59), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Measles-mumps-rubella vaccine that is given in the second year of life is associated with an increased risk of immune thrombocytopenia purpura.

Pubmed Data : Pediatrics. 2008 Mar;121(3):e687-92. PMID: [18310189](#)

Article Published Date : Mar 01, 2008

Authors : Eric K France, Jason Glanz, Stanley Xu, Simon Hambidge, Kristi Yamasaki, Steve B Black, Michael Marcy, John P Mullooly, Lisa A Jackson, James Nordin, Edward A Belongia, K Hohman, Robert T Chen, Robert Davis,

Study Type : Human Study

Additional Links

Diseases : Purpura: Thrombocytopenic : CK(231) : AC(25) , Thrombocytopenia : CK(234) : AC(26) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem.

Pubmed Data : Am J Perinatol. 2009 Aug;26(7):523-7. Epub 2009 Mar 12. PMID: [19283656](#)

Article Published Date : Aug 01, 2009

Authors : José G Dórea, Rejane C Marques, Katiane G Brandão

Study Type : Meta Analysis

Additional Links

Diseases : Hepatitis B : CK(241) : AC(46), Infant Chemical Exposures : CK(175) : AC(25) , Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Neurological adverse events associated with vaccination.

Pubmed Data : Curr Opin Neurol. 2002 Jun ;15(3):333-8. PMID: [12045734](#)

Article Published Date : May 31, 2002

Authors : Sucheep Piyasirisilp, Thiravat Hemachudha

Study Type : Review

Additional Links

Diseases : Autism : CK(617) : AC(73) , Guillain-Barre Syndrome : CK(110) : AC(18) , Multiple Sclerosis : CK(964) : AC(184), New Variant Creutzfeldt-Jakob Disease : CK(4) : AC(2) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Events : CK(35) : AC(5) , Vaccine Contaminants : CK(11) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78) , Thimerosal : CK(757) : AC(85)

Newborn primates receiving mercury-containing hepatitis B vaccines exhibit neurodevelopmental delays.

Pubmed Data : J Toxicol Environ Health A. 2010 Jan;73(19):1298-313. PMID: [20711932](#)

Article Published Date : Jan 01, 2010

Authors : Laura Hewitson, Lisa A Houser, Carol Stott, Gene Sackett, Jaime L Tomko, David Atwood, Lisa Blue, E Railey White

Study Type : Animal Study

Additional Links

Diseases : Hepatitis B : CK(241) : AC(46), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17), Vaccination: Hepatitis B : CK(429) : AC(54)

Noticeable adverse reactions to the HPV vaccine occurred in 22% of those polled.

Pubmed Data : Aten Primaria. 2010 Dec 14. Epub 2010 Dec 14. PMID: [21163554](#)

Article Published Date : Dec 14, 2010

Authors : M Amparo Torrecilla Rojas, Miguel Pedregal González, Fermín García Rodríguez, Josefa Ruiz Fernández

Study Type : Human Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Optic neuritis following hepatitis B vaccination has been reported. n

Pubmed Data : J Chin Med Assoc. 2009 Nov;72(11):594-7. PMID: [19948437](#)

Article Published Date : Nov 01, 2009

Authors : Muferet Erguven, Sirin Guven, Umit Akyuz, Olcay Bilgiç, Fuat Laloglu

Study Type : Human: Case Report

Additional Links

Diseases : Optic Neuritis : CK(39) : AC(6) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Over 1,000 confirmed cases of vaccine-induced thrombocytopenia were reported between 1990-2008.

Pubmed Data : Vaccine. 2010 Nov 29. Epub 2010 Nov 29. PMID: [21126606](#)

Article Published Date : Nov 29, 2010

Authors : Emily Jane Woo, Robert P Wise, David Menschik, Sean V Shadomy, John Iskander, Judy Beeler, Frederick Varricchio, Robert Ball

Study Type : Meta Analysis

Additional Links

Diseases : Thrombocytopenia : CK(234) : AC(26) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Over 40,000 cases of AFP are reported annually since 2007

regardless of the number of actual polio cases.

Pubmed Data : BMC Public Health. 2012 ;12:229. Epub 2012 Mar 22. PMID: [22439606](#)

Article Published Date : Jan 01, 2012

Authors : Rie R Yotsu, Katharine Abba, Helen Smith, Abhijit Das

Study Type : Review

Additional Links

Diseases : Acute Flaccid Paralysis : CK(14) : AC(4) , Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Polio : CK(98) : AC(17)

Over 600 cases of sudden infant death syndrome following vaccination were reported from 1990-1997.

Pubmed Data : Pharmacoepidemiol Drug Saf. 2001 Jun-Jul;10(4):279-85. PMID: [11760487](#)

Article Published Date : Jun 01, 2001

Authors : L E Silvers, S S Ellenberg, R P Wise, F E Varricchio, G T Mootrey, M E Salive

Study Type : Meta Analysis

Additional Links

Diseases : Infant Mortality : CK(249) : AC(25), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary.

Pubmed Data : Am J Epidemiol. 2011 Aug 1 ;174(3):316-25. Epub 2011 Jun 17. PMID: [21685412](#)

Article Published Date : Jul 31, 2011

Authors : Concepción F Estívariz, Zsuzsanna Molnár, Linda Venczel, Beatrix Kapusinszky, James A Zingeser, Galina Y Lipskaya, Olen M Kew, György Berencsi, Agnes Csohán

Study Type : Human Study

Additional Links

Diseases : Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3) , Poliomyelitis : CK(33) : AC(4) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Oral Polio Vaccine : CK(24) : AC(4), Vaccination: Oral Polio Vaccine, Bivalent : CK(10) : AC(1) , Vaccination: Polio : CK(98) : AC(17)

Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible

individuals.

Pubmed Data : Cytotechnology. 2002 Nov;40(1-3):139-49. PMID: [20447868](#)

Article Published Date : Nov 01, 2002

Authors : Anne M McIntosh, Jacinta McMahon, Leanne M Dibbens, Xenia Iona, John C Mulley, Ingrid E Scheffer, Samuel F Berkovic

Study Type : Human Study

Additional Links

Diseases : [Dravet syndrome](#) : CK(40) : AC(4) , [Encephalitis](#) : CK(31) : AC(8) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Pertussis](#) : CK(148) : AC(25)

Pertussis vaccine has been linked to hypotonic-hypo-responsive episodes (HHE) in infants and children.

Pubmed Data : Drug Saf. 2002;25(2):85-90. PMID: [11888351](#)

Article Published Date : Jan 01, 2002

Authors : Michael S Gold

Study Type : Human Study

Additional Links

Diseases : [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Pertussis](#) : CK(148) : AC(25)

Pneumococcal conjugate vaccination is associated with higher levels of serious adverse respiratory events and nonrespiratory events in infants 6 weeks to 6 months of age.

Pubmed Data : Pediatr Infect Dis J. 2009 Jun;28(6):455-62. PMID: [19483514](#)

Article Published Date : Jun 01, 2009

Authors : Marilla G Lucero, Hanna Nohynek, Gail Williams, Veronica Tallo, Eric A F Simões, Socorro Lupisan, Diozele Sanvictores, Simon Forsyth, Taneli Puumalainen, Juanita Ugpo, Marites Lechago, Margaret de Campo, Erma Abucejo-Ladesma, Lydia Sombrero, Antti Nissinen, Anu Soininen, Petri Ruutu, Ian Riley, Helen P Mäkelä

Study Type : Human Study

Additional Links

Diseases : [Infant Infections](#) : CK(410) : AC(44) , [Respiratory Diseases](#) : CK(260) : AC(40) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Pneumococcal](#) : CK(71) : AC(8)

Possible systemic lupus erythematosus following HPV immunization has been reported.

Pubmed Data : Lupus. 2012 ;21(2):158-61. PMID: [22235047](#)

Article Published Date : Jan 01, 2012

Authors : Hf Soldevilla, Sfr Briones, Sv Navarra

Study Type : Human: Case Report

Additional Links

Diseases : Lupus Erythematosus: Systemic : CK(486) : AC(69) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Post-infection rabies vaccination increases mortality in mice.

Pubmed Data : Comp Immunol Microbiol Infect Dis. 1988;11(2):139-42. PMID: [2972508](#)

Article Published Date : Jan 01, 1988

Authors : J Blancou, D Sitte

Study Type : Animal Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%.

Pubmed Data : J Wildl Dis. 1991 Apr;27(2):258-64. PMID: [1906114](#)

Article Published Date : Apr 01, 1991

Authors : D S Davis, J W Templeton, T A Ficht, J D Huber, R D Angus, L G Adams

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Infectious : CK(10) : AC(5) , Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM

antibodies.

Pubmed Data : J Med Virol. 2006 Jun;78(6):787-91. PMID: [16628582](#)

Article Published Date : Jun 01, 2006

Authors : Boulos Botros, Adel Omar, Khairat Elian, Gihan Mohamed, Atef Soliman, Adel Salib, Diaa Salman, Magdi Saad, Kenneth Earhart

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Smithburn Rift Valley Fever : CK(4) : AC(2), Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Rates of intussusception associated with rotavirus vaccines may be significantly underestimated.

Pubmed Data : J Infect Dis. 2009 Nov 1;200 Suppl 1:S264-70. PMID: [19817607](#)

Article Published Date : Nov 01, 2009

Authors : Margaret M Cortese, Mary Allen Staat, Geoffrey A Weinberg, Kathryn Edwards, Marilyn A Rice, Peter G Szilagyi, Caroline B Hall, Daniel C Payne, Umesh D Parashar

Study Type : Human Study

Additional Links

Diseases : Intussusception : CK(30) : AC(3) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Rotavirus : CK(33) : AC(6)

Review: possible adverse effects that are associated with smallpox vaccination.

Pubmed Data : MMWR Recomm Rep. 2003 Feb 21;52(RR-4):1-28. PMID: [12617510](#)

Article Published Date : Feb 21, 2003

Authors : Joanne Cono, Christine G Casey, David M Bell,

Study Type : Review

Additional Links

Diseases : Smallpox : CK(23) : AC(4) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Pharmacological Actions : Antiviral Agents : CK(938) : AC(433)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Smallpox : CK(71) : AC(8)

Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does.

Pubmed Data : Virol J. 2009;6:94. Epub 2009 Jul 6. PMID: [19580675](#)

Article Published Date : Jan 01, 2009

Authors : Samia Ahmed Kamal

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Smithburn Rift Valley Fever : CK(4) : AC(2), Rift Valley Fever : CK(2) : AC(1) , Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model : CK(41) : AC(17)

Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception.

Pubmed Data : Pediatrics. 2004 Apr;113(4):e353-9. PMID: [15060267](#)

Article Published Date : Apr 01, 2004

Authors : Penina Haber, Robert T Chen, Lynn R Zanardi, Gina T Mootrey, Roseanne English, M Miles Braun,

Study Type : Human Study

Additional Links

Diseases : Gastroenteritis : CK(107) : AC(15) , Intussusception : CK(30) : AC(3) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Rotavirus : CK(33) : AC(6)

Rotavirus vaccinations have a history of causing adverse effects such as intussusception.

Pubmed Data : Pediatrics. 2001 Jun;107(6):E97. PMID: [11389295](#)

Article Published Date : Jun 01, 2001

Authors : L R Zanardi, P Haber, G T Mootrey, M T Niu, M Wharton

Study Type : Human Study

Additional Links

Diseases : Intussusception : CK(30) : AC(3) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Rotavirus : CK(33) : AC(6)

Rotavirus vaccines have been found contaminated with porcine circovirus.

Pubmed Data : Biologicals. 2012 Mar 6. Epub 2012 Mar 6. PMID: [22402185](#)

Article Published Date : Mar 06, 2012

Authors : Sarah M Gilliland, Lindsay Forrest, Heather Carre, Adrian Jenkins, Neil Berry, Javier

Martin, Philip Minor, Silke Schepelmann

Study Type : Review

Additional Links

Diseases : [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Rotavirus](#) : CK(33) : AC(6)

Serious adverse events associated with whole cell pertussis vaccine, e.g. sudden infant death syndrome and encephalopathy, may have occurred in metabolically vulnerable children.

Pubmed Data : Pharmazie. 2007 Apr;62(4):299-304. PMID: [19660877](#)

Article Published Date : Apr 01, 2007

Authors : Kumanan Wilson, Beth Potter, Douglas Manuel, Jennifer Keelan, Pranesh Chakraborty

Study Type : Human Study

Additional Links

Diseases : [Encephalopathy: Acute Necrotizing](#) : CK(20) : AC(2) , [Sudden Infant Death Syndrome \(SIDS\)](#) : CK(138) : AC(18) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Pertussis](#) : CK(148) : AC(25)

Smallpox vaccine caused iatrogenic vaccinia in children in Russia.

Pubmed Data : Zh Mikrobiol Epidemiol Immunobiol. 2001 Mar-Apr(2):40-5. PMID: [11548257](#)

Article Published Date : Mar 01, 2001

Authors : G G Onishchenko, V I Markov, V N Ustiushin, S V Borisevich, G I Kuznetsova, S Ia Loginova, A M Bereznoĭ, N T Vasil'ev, V A Maksimov, A A Makhlaĭ

Study Type : Human Study

Additional Links

Diseases : [Smallpox](#) : CK(23) : AC(4) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194) , [Vaccinia virus](#) : CK(27) : AC(6)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Smallpox](#) : CK(71) : AC(8)

Sudden Infant Death syndrome mortality rate in the period zero to three days following DTP was found to be 7.3 times higher than in the period 30 days after immunization.

Pubmed Data : Am J Public Health. 1987 Aug;77(8):945-51. PMID: [3496805](#)

Article Published Date : Aug 01, 1987

Authors : A M Walker, H Jick, D R Perera, R S Thompson, T A Knauss

Study Type : Human Study

Additional Links

Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.

Pubmed Data : J Infect Dis. 2008 Jul 15;198(2):226-33. PMID: [18522505](#)

Article Published Date : Jul 15, 2008

Authors : Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen

Study Type : Human Study

Additional Links

Diseases : Acute Autoimmune Neuropathy : CK(20) : AC(2) , Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18) , Influenza : CK(789) : AC(123) , Swine Flu Associated Virus : CK(182) : AC(40), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Influenza Vaccine : CK(10) : AC(1) , Swine Flu Vaccine : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Symptomatic Gulf War Syndrome is strongly associated with the presence of autoantibodies to squalene, an adjuvant used in vaccines.

Pubmed Data : Exp Mol Pathol. 2000 Feb;68(1):55-64. PMID: [10640454](#)

Article Published Date : Feb 01, 2000

Authors : P B Asa, Y Cao, R F Garry

Study Type : Human Study

Additional Links

Diseases : Gulf War Syndrome : CK(43) : AC(6) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Anthrax : CK(62) : AC(8)

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

Pubmed Data : JAMA. 1994 May 25;271(20):1602-5. PMID: [8182813](#)

Article Published Date : May 25, 1994

Authors : K R Stratton, C J Howe, R B Johnston

Study Type : Review

Additional Links

Diseases : Anaphylaxis : CK(67) : AC(18), Guillain-Barre Syndrome : CK(110) : AC(18), Hepatitis B : CK(241) : AC(46), Neuritis: Brachial Plexus : CK(1) : AC(1), Poliomyelitis : CK(33) : AC(4), Purpura: Thrombocytopenic : CK(231) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Tetanus : CK(74) : AC(12)

The administration of meningitis C vaccination 1 week before the onset of HSP suggests that it can be added to the list of potential triggering agents.

Pubmed Data : Rheumatology (Oxford). 2001 Mar ;40(3):345-6. PMID: [11285387](#)

Article Published Date : Feb 28, 2001

Authors : P A Courtney, R N Patterson, R J Lee

Study Type : Human Study

Additional Links

Diseases : Henoch-Schoenlein Purpura : CK(10) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The anthrax vaccine is one of the most reactogenic vaccines reported in the Vaccine Adverse Events Reporting System (VAERS) database.

Pubmed Data : Hepatogastroenterology. 2004 May-Jun;51(57):762-7. PMID: [15143911](#)

Article Published Date : May 01, 2004

Authors : Mark R Geier, David A Geier

Study Type : Human Study

Additional Links

Diseases : Anthrax : CK(47) : AC(9), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Anthrax : CK(62) : AC(8)

The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and

Th2 polarizing effects.

Pubmed Data : J Trop Med. 2011 ;2011:706304. Epub 2011 May 5. PMID: [21760811](#)

Article Published Date : Jan 01, 2011

Authors : Mogens Helweg Claesson

Study Type : Human Study

Additional Links

Diseases : Immune Dysregulation: TH1/TH2 imbalance : CK(171) : AC(45) , Infant Mortality : CK(249) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Pertussis : CK(148) : AC(25) , Vaccination: Tetanus : CK(74) : AC(12), Vaccination: Diphtheria : CK(50) : AC(2)

Problem Substances : Adjuvant : CK(18) : AC(6) , Aluminum Hydroxide : CK(79) : AC(18) , Vaccine Adjuvants : CK(594) : AC(118)

The epidemic of autism may be linked to both vaccinations and mitochondrial diseases.

Pubmed Data : Clin Exp Pharmacol Physiol. 2004 Dec;31 Suppl 2:S51-3 PMID: [19043939](#)

Article Published Date : Dec 01, 2004

Authors : Stephanie F Cave

Study Type : Commentary

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159) , Mercury Poisoning : CK(228) : AC(178) , Mitochondrial Diseases : CK(227) : AC(92) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Diseases that are Linked : CK(2335) : AC(304)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The mercury containing vaccine adjuvant known as thimerosal has immunosuppressive and autoimmune effects in mice.

Pubmed Data : Toxicol Appl Pharmacol. 2005 Apr 15;204(2):109-21. PMID: [15808517](#)

Article Published Date : Apr 15, 2005

Authors : S Havarinasab, B Häggqvist, E Björn, K M Pollard, P Hultman

Study Type : Animal Study

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128) , Mercury Poisoning : CK(228) : AC(178) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The number of elective abortions following vaccination

during pregnancy may be under-reported and could be substantial.

Pubmed Data : Vaccine. 2008 May 2;26(19):2428-32. Epub 2008 Mar 17. PMID: [18406499](#)

Article Published Date : May 02, 2008

Authors : Soju Chang, Robert Ball, M Miles Braun

Study Type : Review

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Vaccination: Abortion : CK(40) : AC(13) ,
Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The psychic reactions following injections of bacterial vaccines.

Pubmed Data : Int Arch Allergy Appl Immunol. 1950 ;1(3):226-43. PMID: [14794265](#)

Authors : J ILAVSKY

Study Type : Human: Case Report

Additional Links

Diseases : Psychiatric Disorders : CK(110) : AC(27) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Bacterial Vaccines : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The risk of adverse events from the pertussis outweighed the risk of pertussis infection during the period of 1970-83 in children living in non-deprived circumstances in Britain.

Pubmed Data : Dev Biol Stand. 1985;61:395-405. PMID: [3835080](#)

Article Published Date : Jan 01, 1985

Authors : G T Stewart

Study Type : Meta Analysis

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194) , Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pertussis : CK(148) : AC(25)

The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer.

Pubmed Data : Biologicals. 2010 May;38(3):371-6. Epub 2010 Apr 8. PMID: [20378372](#)

Article Published Date : May 01, 2010

Authors : Takayuki Miyazawa

Study Type : Animal Study

Additional Links

Diseases : Chronic Fatigue Syndrome : CK(275) : AC(40) , Prostate Cancer : CK(1499) : AC(438) ,
Retroviruses : CK(7) : AC(1) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The vaccination of pregnant sheep resulted in abortions and hydranencephaly.

Pubmed Data : Int Immunopharmacol. 2005 Mar;5(3):555-69. PMID: [8825310](#)

Article Published Date : Mar 01, 2005

Authors : M Flanagan, S J Johnson

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Hydranencephaly : CK(2) : AC(1) , Vaccination:
Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model :
CK(41) : AC(17)

The vaccine adjuvant thimerosal induces adverse changes in the cerebellum of mice, lending plausibility to the association between autism and low-dose mercury exposure.

Pubmed Data : Cell Biol Toxicol. 2009 Apr 9. PMID: [19357975](#)

Article Published Date : Apr 09, 2009

Authors : Takeshi Minami, Eriko Miyata, Yamato Sakamoto, Hideo Yamazaki, Seiji Ichida

Study Type : Animal Study

Additional Links

Diseases : Mercury Poisoning : CK(228) : AC(178) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Thimerosal : CK(3) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

There has been a five-fold increase in pediatric parapneumonic empyema since introduction of pneumococcal conjugate vaccine.

Pubmed Data : Pediatr Infect Dis J. 2008 Nov;27(11):1030-2. PMID: [18845981](#)

Article Published Date : Nov 01, 2008

Authors : Debra J Hendrickson, Dean A Blumberg, Jesse P Joad, Sanjay Jhawar, Ruth J McDonald

Study Type : Human Study

Additional Links

Diseases : Childhood Infections : CK(275) : AC(29) , Empyema : CK(10) : AC(1) , Parapneumonic Empyema : CK(10) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Pneumococcal : CK(71) : AC(8)

There is a highly statistically significant correlation between increasing number of vaccine doses and increasing infant mortality rates.

Pubmed Data : Hum Exp Toxicol. 2011 May 4. Epub 2011 May 4. PMID: [21543527](#)

Article Published Date : May 04, 2011

Authors : Neil Z Miller, Gary S Goldman

Study Type : Meta Analysis

Additional Links

Diseases : Infant Mortality : CK(249) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

There is a positive association between autism prevalence and childhood vaccination uptake across the U.S. population.

Pubmed Data : J Toxicol Environ Health A. 2011 Jan ;74(14):903-16. PMID: [21623535](#)

Article Published Date : Jan 01, 2011

Authors : Gayle Delong

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

There is evidence supporting an association between increasing organic-Hg exposure from Thimerosal-containing childhood vaccines and the subsequent risk of an ASD.

Pubmed Data : Transl Neurodegener. 2013 ;2(1):25. Epub 2013 Dec 19. PMID: [24354891](#)

Article Published Date : Dec 31, 2012

Authors : David A Geier, Brian S Hooker, Janet K Kern, Paul G King, Lisa K Sykes, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Mercury : CK(237) : AC(38), Thimerosal : CK(757) : AC(85)

There is evidence that a DNA vaccine exhibits anti-fertility properties.

Pubmed Data : Vaccine. 2011 Jul 12 ;29(31):4933-9. Epub 2011 May 17. PMID: [21596079](#)

Article Published Date : Jul 12, 2011

Authors : Meng-Fei Yu, Wen-Ning Fang, Gao-Feng Xiong, Ying Yang, Jing-Pian Peng

Study Type : Animal Study

Additional Links

Diseases : Infertility : CK(728) : AC(152), Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Plasmid DNA Vaccines : CK(3) : AC(2)

There were 69 reports of Guillain-Barré Syndrome (GBS) after Gardasil vaccination that occurred in the United States between 2006 and 2009.

Pubmed Data : Vaccine. 2010 Sep 23. Epub 2010 Sep 23. PMID: [20869467](#)

Article Published Date : Sep 23, 2010

Authors : Nizar Souayah, P A Michas-Martin, Abu Nasar, Nataliya Krivitskaya, Hussam A Yacoub, Hafiz Khan, Adnan I Qureshi

Study Type : Human Study

Additional Links

Diseases : Guillain-Barre Syndrome : CK(110) : AC(18) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Thimerosal had a proapoptotic effect on primary human lymphocytes at concentrations 100 times less to those contained in the multidose vaccine.

Pubmed Data : PLoS One. 2014 ;9(4):e92705. Epub 2014 Apr 1. PMID: [24690681](#)

Article Published Date : Dec 31, 2013

Authors : Emily Loison, Béatrice Poirier-Beaudouin, Valérie Seffer, Audrey Paoletti, Vered Abitbol, Eric Tartour, Odile Launay, Marie-Lise Gougeon

Study Type : Animal Study, In Vitro Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Problem Substances : Thimerosal : CK(757) : AC(85)

Adverse Pharmacological Actions : Apoptotic : CK(8) : AC(7) , Immunotoxic : CK(294) : AC(52)

Thimerosal-containing vaccines are associated with autism prevalence and measles-containing vaccines are associated with serious neurological disorders.

Pubmed Data : Med Sci Monit. 2004 Mar;10(3):PI33-9. Epub 2004 Mar 1. PMID: [14976450](#)

Article Published Date : Mar 01, 2004

Authors : David A Geier, Mark R Geier

Study Type : Meta Analysis

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination.

Pubmed Data : Clin Exp Rheumatol. 2012 Mar 15. Epub 2012 Mar 15. PMID: [22513085](#)

Article Published Date : Mar 15, 2012

Authors : Natasa Toplak, Vesna Subelj, Tanja Kveder, Sasa Cucnik, Katarina Prosenc, Alenka Trampus-Bakija, Ljupco Todorovski, Tadej Avcin

Study Type : Human Study

Additional Links

Diseases : Arthritis: Juvenile Idiopathic : CK(20) : AC(2) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions : Tumor necrosis factor α (TNF α) up-regulation : CK(42) : AC(4)

This patient developed optic neuritis about five days after being given a dose of MMR vaccine.

Pubmed Data : Case Rep Ophthalmol Med. 2016 ;2016:8740264. Epub 2016 Apr 19. PMID: [27195163](#)

Article Published Date : Dec 31, 2015

Authors : Chiara De Giacinto, Elvira Guaglione, Pia E Leon, Rossella D'Aloisio, Odilla Vattovani, Giuseppe Ravalico, Daniele Tognetto

Study Type : Human: Case Report

Additional Links

Diseases : Optic Neuritis : CK(39) : AC(6) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Antibody Titers : CK(13) : AC(2)

Anti Therapeutic Actions : Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

This study found an increase in adverse events after the routine immunization of extremely low-birth-weight infants in the NICU.

Pubmed Data : JAMA Pediatr. 2015 Jun 1. Epub 2015 Jun 1. PMID: [26030302](#)

Article Published Date : May 31, 2015

Authors : Stephen D DeMeo, Sudha R Raman, Christoph P Hornik, Catherine C Wilson, Reese Clark, P Brian Smith

Study Type : Human Study

Additional Links

Diseases : Infants: Low Birth Weight : CK(144) : AC(15) , Infants: Very Low Birth Weight/Low Birth Weight : CK(212) : AC(19), Sepsis : CK(197) : AC(54) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Adverse Reaction : CK(13) : AC(2) , Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Thrombocytopenic purpura following vaccination in early childhood has been reported.

Pubmed Data : J Chin Med Assoc. 2010 Dec;73(12):634-7. PMID: [21145511](#)

Article Published Date : Dec 01, 2010

Authors : Yuh-Lin Hsieh, Lung-Huang Lin

Study Type : Human Study

Additional Links

Diseases : Purpura: Thrombocytopenic : CK(231) : AC(25) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Timing of routine immunisations (earlier = increased) and subsequent hay fever risk.

Pubmed Data : Arch Dis Child. 2005 Jun ;90(6):567-73. PMID: [15908618](#)

Article Published Date : May 31, 2005

Authors : S A Bremner, I M Carey, S DeWilde, N Richards, W C Maier, S R Hilton, D P Strachan, D G

Cook

Study Type : Human Study

Additional Links

Diseases : Allergic Rhinitis : CK(392) : AC(52), Immune Dysregulation: TH1/TH2 imbalance : CK(171) : AC(45), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Transmissible spongiform encephalopathies may be passed iatrogenically through vaccines.

Pubmed Data : Dev Biol (Basel). 2001;106:455-9; discussion 460-1, 465-75. PMID: [11761262](#)

Article Published Date : Jan 01, 2001

Authors : N R Cashman

Study Type : Commentary

Additional Links

Diseases : Spongiform Encephalopathies: Transmissible : CK(2) : AC(2), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccination for DPT, Hepatitis B and influenza has been reported to be associated with the development of erythema multiforme in an infant.

Pubmed Data : Indian J Dermatol Venereol Leprol. 2008 May-Jun;74(3):251-3. PMID: [18583795](#)

Article Published Date : May 01, 2008

Authors : Sarvjit Kaur, Sanjeev Handa

Study Type : Human Study

Additional Links

Diseases : Erythema : CK(74) : AC(9), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Influenza : CK(435) : AC(50)

Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants.

Pubmed Data : Emerg Infect Dis. 2000 Sep-Oct;6(5):526-9. PMID: [10998384](#)

Article Published Date : Sep 01, 2000

Authors : I Srugo, D Benilevi, R Madeb, S Shapiro, T Shohat, E Somekh, Y Rimmar, V Gershtein, R Gershtein, E Marva, N Lahat

Study Type : Human Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23) , Vaccine-induced Toxicity : CK(1325) : AC(194), Whooping Cough : CK(147) : AC(22)

Additional Keywords : Reservoirs For Infection : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pertussis : CK(148) : AC(25)

Vaccination against novel H1N1 may accelerate atherogenesis (heart disease).

Pubmed Data : Med Microbiol Immunol. 2009 Oct 23. PMID: [19851782](#)

Article Published Date : Oct 23, 2009

Authors : Sucharit Bhakdi, Karl Lackner, Hans-Wilhelm Doerr

Study Type : Commentary

Additional Links

Diseases : H1N1 Infection : CK(583) : AC(113) , Swine Flu Associated Virus : CK(182) : AC(40) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccination as a probable cause of incontinentia pigmenti reactivation has been reported.

Pubmed Data : Pediatr Dermatol. 2010 Jan-Feb;27(1):62-4. PMID: [20199413](#)

Article Published Date : Jan 01, 2010

Authors : Ali Alikhan, Andrew D Lee, Donald Swing, Christie Carroll, Gil Yosipovitch

Study Type : Human: Case Report

Additional Links

Diseases : Incontinentia Pigmenti : CK(3) : AC(1) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccination can precipitate lupus erythematosus.

Pubmed Data : Semin Arthritis Rheum. 1999 Dec;29(3):131-9. PMID: [10622677](#)

Article Published Date : Dec 01, 1999

Authors : S A Older, D F Battafarano, R J Enzenauer, A M Krieg

Study Type : Human Study

Additional Links

Diseases : Systemic Lupus Erythematosus : CK(466) : AC(67) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccination for contraception.

Pubmed Data : Aust N Z J Obstet Gynaecol. 1994 Jun;34(3):320-9. PMID: [7848209](#)

Article Published Date : Jun 01, 1994

Authors : W R Jones

Study Type : Review

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Anti-Fertility : CK(1) : AC(1)

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.

Pubmed Data : Vaccine. 2009 Dec 9;27(52):7322-5. Epub 2009 Oct 4. PMID: [19808027](#)

Article Published Date : Dec 09, 2009

Authors : Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin

Study Type : Human Study

Additional Links

Diseases : Lyme Disease : CK(58) : AC(14) , Neuropathy: Small Fiber : CK(10) : AC(1) , Rabies : CK(13) : AC(3) , Vaccine-induced Toxicity : CK(1325) : AC(194) , Varicella : CK(50) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Lyme disease : CK(11) : AC(2) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Vaccination in infants less than 3 months is associated with an increased risk of sudden infant death syndrome.

Pubmed Data : Fundam Clin Pharmacol. 1995;9(3):263-70. PMID: [7557822](#)

Article Published Date : Jan 01, 1995

Authors : A P Jonville-Bera, E Autret, J Laugier

Study Type : Meta Analysis

Additional Links

Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) , Vaccination: Polio : CK(98) : AC(17)

Vaccination is associated with thrombocytopenic purpura in children.

Pubmed Data : Vaccine. 2007 Feb 26;25(10):1838-40. Epub 2006 Nov 9. PMID: [17126957](#)

Article Published Date : Feb 26, 2007

Authors : J Rajantie, B Zeller, I Treutiger, S Rosthøj,

Study Type : Human Study

Additional Links

Diseases : Purpura: Thrombocytopenic : CK(231) : AC(25) , Thrombocytopenia : CK(234) : AC(26) ,
Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccination is associated with a rare autoimmune neurological condition transverse myelitis.

Pubmed Data : Lupus. 2009 Nov;18(13):1198-204. PMID: [19880568](#)

Article Published Date : Nov 01, 2009

Authors : N Agmon-Levin, S Kivity, M Szyper-Kravitz, Y Shoenfeld

Study Type : Meta Analysis

Additional Links

Diseases : Myelitis : CK(42) : AC(6) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) ,
Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) :
AC(37)

Vaccination is associated with an increased risk for hemolytic anemia.

Pubmed Data : Vaccine. 2009 Dec 9;27(52):7394-7. Epub 2009 Sep 18. PMID: [19766577](#)

Article Published Date : Dec 09, 2009

Authors : Allison L Naleway, Edward A Belongia, James G Donahue, Burney A Kieke, Jason M Glanz,

Study Type : Meta Analysis

Additional Links

Diseases : Hemolytic Anemia : CK(34) : AC(6) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-
Pertussis-Tetanus : CK(315) : AC(36) , Vaccination: Hepatitis B : CK(429) : AC(54)

Vaccination may be contributing to autoimmune disease.

Pubmed Data : J Autoimmun. 2000 Feb;14(1):1-10. PMID: [10648110](#)

Article Published Date : Feb 01, 2000

Authors : Y Shoenfeld, A Aron-Maor

Study Type : Commentary

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159) , Autoimmune Diseases : CK(6629) :
AC(1128) , Multiple Sclerosis : CK(964) : AC(184) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Pubmed Data : Discov Med. 2010 Feb;9(45):90-7. PMID: [20193633](#)

Article Published Date : Feb 01, 2010

Authors : Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18), Human Papillomavirus (HPV) : CK(212) : AC(35), Inflammatory Myopathy : CK(31) : AC(4), Macrophagic myofasciitis : CK(36) : AC(7), Multiple Sclerosis : CK(964) : AC(184), Rheumatoid Arthritis : CK(706) : AC(117), Systemic Lupus Erythematosus : CK(466) : AC(67), Vaccine-induced Toxicity : CK(1325) : AC(194), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Haemophilus Influenzae : CK(25) : AC(4), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: HPV (Gardasil) : CK(150) : AC(22), Vaccination: Influenza : CK(435) : AC(50), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Rabies : CK(4) : AC(3), Vaccination: Rotavirus : CK(33) : AC(6), Vaccination: Tetanus : CK(74) : AC(12), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).

Pubmed Data : JAMA Neurol. 2014 Dec ;71(12):1506-13. PMID: [25329096](#)

Article Published Date : Nov 30, 2014

Authors : Annette Langer-Gould, Lei Qian, Sara Y Tartof, Sonu M Brara, Steve J Jacobsen, Brandon E Beaber, Lina S Sy, Chun Chao, Rulin Hechter, Hung Fu Tseng

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52), Neurotoxic : CK(1251) : AC(224)

Vaccination of pregnant monkeys resulted in abortions in 2 out of 25.

Pubmed Data : Am J Trop Med Hyg. 1991 Apr;44(4):382-9. PMID: [2042705](#)

Article Published Date : Apr 01, 1991

Authors : A Escajadillo, J K Frenkel

Study Type : Animal Study

Additional Links

Diseases : Abortion: Spontaneous : CK(214) : AC(30) , Animal Diseases: Infectious : CK(10) : AC(5),
Vaccination: Abortion : CK(40) : AC(13) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Animal Model :
CK(41) : AC(17)

Vaccination proponents have suggested that breastfeeding should be delayed in order to prevent immune factors within breast milk from inactivating vaccine-associated antibody titer elevations and vaccine potency.

Pubmed Data : Pediatr Infect Dis J. 2010 Oct;29(10):919-923. PMID: [20442687](#)

Article Published Date : Oct 01, 2010

Authors : Sung-Sil Moon, Yuhuan Wang, Andi L Shane, Trang Nguyen, Pratima Ray, Penelope Dennehy, Luck Ju Baek, Umesh Parashar, Roger I Glass, Baoming Jiang

Study Type : Commentary

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Therapeutic Actions : Breastfeeding : CK(803) : AC(85)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccination-associated adverse events occur in approximately 1 of every 6 toddlers receiving measles-mumps-rubella vaccine dose 1, with high fever occurring in 1 of 20

Pubmed Data : Pediatrics. 2006 Oct;118(4):1422-30. PMID: [17015532](#)

Article Published Date : Oct 01, 2006

Authors : Charles W LeBaron, Daoling Bi, Bradley J Sullivan, Carol Beck, Paul Gargiullo

Study Type : Human Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent

recombination events and mutations.

Pubmed Data : J Infect Dis. 2012 May 1 ;205(9):1363-73. Epub 2012 Mar 29. PMID: [22457288](#)

Article Published Date : May 01, 2012

Authors : Marie-Line Joffret, Sophie Jégouic, Maël Bessaud, Jean Balanant, Coralie Tran, Valerie Caro, Barbara Holmblat, Richter Razafindratsimandresy, Jean-Marc Reynes, Mala Rakoto-Andrianarivelo, Francis Delpeyroux

Study Type : Review

Additional Links

Diseases : Polio : CK(19) : AC(8), Polio: Vaccine-Related : CK(14) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Polio : CK(98) : AC(17)

Vaccine-induced scrapie has been reported in animals.

Pubmed Data : J Gen Virol. 2003 Apr;84(Pt 4):1047-52. PMID: [12655108](#)

Article Published Date : Apr 01, 2003

Authors : Gianluigi Zanusso, Cristina Casalone, Pierluigi Acutis, Elena Bozzetta, Alessia Farinazzo, Matteo Gelati, Michele Fiorini, Gianluigi Forloni, Man Sun Sy, Salvatore Monaco, Maria Caramelli

Study Type : Animal Study

Additional Links

Diseases : Animal Diseases: Infectious : CK(10) : AC(5), Animal Diseases: Scrapie : CK(4) : AC(2), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.

Pubmed Data : J Pediatr. 2009 Apr;154(4):514-520.e4. Epub 2008 Dec 3. PMID: [19205900](#)

Article Published Date : Apr 01, 2009

Authors : Donald A Drum

Study Type : Commentary

Additional Links

Diseases : Attention Deficit Disorder : CK(136) : AC(14), Attention Deficit Disorder with Hyperactivity : CK(303) : AC(38), Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Child Mortality : CK(74) : AC(9), Infant Mortality : CK(249) : AC(25), Mental Retardation : CK(61) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Thimerosal : CK(3) : AC(2)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Vaccines with Thimerosal led to more adverse events in

this study.

Pubmed Data : Pediatr Infect Dis J. 2015 Jan ;34(1):79-83. PMID: [25036048](#)

Article Published Date : Dec 31, 2014

Authors : Nguyen Trong Hieu, Michal Sarnecki, Jeroen Tolboom

Study Type : Human Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Problem Substances : Thimerosal : CK(757) : AC(85)

We consider it likely that pandemrix vaccination contributed to the increased incidence of narcolepsy in Finland in 2010 in HLA DQB1*0602 positive children.

Pubmed Data : PLoS One. 2012 ;7(3):e33723. Epub 2012 Mar 28. PMID: [22470463](#)

Article Published Date : Dec 31, 2011

Authors : Markku Partinen, Outi Saarenpää-Heikkilä, Ismo Ilveskoski, Christer Hublin, Miika Linna, Päivi Olsén, Pekka Nokelainen, Reija Alén, Tiina Wallden, Merimaaria Espo, Harri Rusanen, Jan Olme, Heli Sättilä, Harri Arikka, Pekka Kaipainen, Ilkka Julkunen, Turkkka Kirjavainen

Study Type : Human Study

Additional Links

Diseases : Narcolepsy : CK(41) : AC(5), Vaccine-induced Toxicity : CK(1325) : AC(194)

Additional Keywords : Genomic Variation : CK(143) : AC(18), Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Whole cell pertussis vaccines may have been causing serious neurological disorders.

Pubmed Data : Brain Dev. 2004 Aug;26(5):296-300. PMID: [15165669](#)

Article Published Date : Aug 01, 2004

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Infant Infections : CK(410) : AC(44), Infant Neurological Development : CK(58) : AC(9), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Pertussis : CK(148) : AC(25)

Zinc supplementation has a beneficial effect on malaise, one of the influenza vaccine associated adverse events,

and decrease serum TNF- α levels.

Pubmed Data : J Trace Elem Med Biol. 2011 Apr 21. Epub 2011 Apr 21. PMID: [21514808](#)

Article Published Date : Apr 21, 2011

Authors : S Songül Yalçın, Defne Engür-Karasimav, Dursun Alehan, Kadriye Yurdakök, Süheyla Ozkutlu, Turgay Coşkun

Study Type : Human Study

Additional Links

Substances : [Zinc](#) : CK(941) : AC(139)

Diseases : [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Pharmacological Actions : [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(1823) : AC(669)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437) , [Vaccination: Influenza](#) : CK(435) : AC(50)

Vaccinia virus (AC 3) (CK 23)

Adverse events following smallpox vaccination with ACAM2000 in a military population have been reported.

Pubmed Data : Arch Dermatol. 2010 Jun;146(6):656-61. PMID: [20566929](#)

Article Published Date : Jun 01, 2010

Authors : Thomas M Beachkofsky, Scott C Carrizales, Jeffrey J Bidinger, David E Hrnçir, Darren E Whittemore, Chad M Hivnor

Study Type : Human Study

Additional Links

Diseases : [Smallpox](#) : CK(23) : AC(4) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194) , [Vaccinia virus](#) : CK(27) : AC(6)

Anti Therapeutic Actions : [Vaccination: Smallpox](#) : CK(71) : AC(8)

Smallpox vaccine caused iatrogenic vaccinia in children in Russia.

Pubmed Data : Zh Mikrobiol Epidemiol Immunobiol. 2001 Mar-Apr(2):40-5. PMID: [11548257](#)

Article Published Date : Mar 01, 2001

Authors : G G Onishchenko, V I Markov, V N Ustiushin, S V Borisevich, G I Kuznetsova, S Ia Loginova, A M Bereznoï, N T Vasil'ev, V A Maksimov, A A Makhlaï

Study Type : Human Study

Additional Links

Diseases : [Smallpox](#) : CK(23) : AC(4) , [Vaccine-induced Toxicity](#) : CK(1325) : AC(194) , [Vaccinia virus](#) :

CK(27) : AC(6)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Smallpox : CK(71) : AC(8)

Vaccinia virus infections can be transmissible and can cause severe complications in those with weakened immune systems.

Pubmed Data : Emerg Infect Dis. 2011 Apr ;17(4):730-3. PMID: [21470473](#)

Article Published Date : Mar 31, 2011

Authors : Christine M Hughes, David Blythe, Yu Li, Ramani Reddy, Carol Jordan, Cindy Edwards, Celia Adams, Holly Conners, Catherine Rasa, Sue Wilby, Jamaal Russell, Kelly S Russo, Patricia Somsel, Danny L Wiedbrauk, Cindy Dougherty, Christopher Allen, Mike Frace, Ginny Emerson, Victoria A Olson, Scott K Smith, Zachary Braden, Jason Abel, Whitney Davidson, Mary Reynolds, Inger K Damon

Study Type : Human: Case Report

Additional Links

Diseases : Smallpox : CK(23) : AC(4) , Vaccinia virus : CK(27) : AC(6)

Additional Keywords : Adverse Events : CK(35) : AC(5) , Vaccine Stain : CK(3) : AC(1)

Anti Therapeutic Actions : Vaccination: Smallpox : CK(71) : AC(8)

Varicella (AC 4) (CK 40)

Combined MMR and varicella live vaccine is associated with higher rates of febrile convulsion than giving the vaccines separately.

Pubmed Data : Vaccine. 2009 Jul 23;27(34):4656-61. Epub 2009 Jun 9. PMID: [19520201](#)

Article Published Date : Jul 23, 2009

Authors : Steven J Jacobsen, Bradley K Ackerson, Lina S Sy, Trung N Tran, Tonia L Jones, Janis F Yao, Fagen Xie, T Craig Cheetham, Patricia Saddier

Study Type : Human Study

Additional Links

Diseases : Febrile Seizures : CK(33) : AC(5) , Vaccine-induced Toxicity : CK(1325) : AC(194) , Varicella : CK(50) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Near complete vaccination coverage for varicella does not prevent outbreaks in those treated.

Pubmed Data : Pediatrics. 2006 Jun;117(6):e1070-7. PMID: [16740809](#)

Article Published Date : Jun 01, 2006

Authors : Adriana S Lopez, Dalya Guris, Laura Zimmerman, Linda Gladden, Tamara Moore, Dirk T Haselow, Vladimir N Loparev, D Scott Schmid, Aisha O Jumaan, Sandra L Snow

Study Type : Human Study

Additional Links

Diseases : Varicella : CK(50) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.

Pubmed Data : Vaccine. 2009 Dec 9;27(52):7322-5. Epub 2009 Oct 4. PMID: [19808027](#)

Article Published Date : Dec 09, 2009

Authors : Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin

Study Type : Human Study

Additional Links

Diseases : Lyme Disease : CK(58) : AC(14) , Neuropathy: Small Fiber : CK(10) : AC(1) , Rabies : CK(13) : AC(3), Vaccine-induced Toxicity : CK(1325) : AC(194), Varicella : CK(50) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Varicella outbreaks occur in vaccinated populations, even when receiving 2 doses.

Pubmed Data : Pediatr Infect Dis J. 2009 Aug;28(8):678-81. PMID: [19593254](#)

Article Published Date : Aug 01, 2009

Authors : Philip L Gould, Jessica Leung, Connie Scott, D Scott Schmid, Helen Deng, Adriana Lopez, Sandra S Chaves, Meredith Reynolds, Linda Gladden, Rafael Harpaz, Sandra Snow

Study Type : Human Study

Additional Links

Diseases : Varicella : CK(50) : AC(5)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Vasculitis (AC 6) (CK 28)

A case of extensive ulcerating vasculitis following a BCG vaccination has been reported.

Pubmed Data : J Plast Reconstr Aesthet Surg. 2009 Aug;62(8):e286-9. Epub 2007 Dec 31. PMID: [18166508](#)

Article Published Date : Aug 01, 2009

Authors : A Ghattaura, K A Eley, E Molenaar, G Smith

Study Type : Human: Case Report

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: BCG (Tuberculosis) : CK(33) : AC(4)

A case of influenza vaccine induced have necrotizing glomerulonephritis in decursu vasculitis has been reported.

Pubmed Data : Pol Merkur Lekarski. 2005 Jul;19(109):75-7. PMID: [16194032](#)

Article Published Date : Jul 01, 2005

Authors : Lidia Hyla-Klekot, Grazyna Kucharska, Witold Cieslak

Study Type : Human: Case Report

Additional Links

Diseases : Glomerulonephritis : CK(33) : AC(10), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Pubmed Data : Autoimmunity. 2005 Jun;38(4):295-301. PMID: [16206512](#)

Article Published Date : Jun 01, 2005

Authors : David A Geier, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Alopecia : CK(146) : AC(32), Arthritis : CK(1964) : AC(312), Hepatitis B : CK(241) : AC(46), Lupus Erythematosus: Systemic : CK(486) : AC(69), Optic Neuritis : CK(39) : AC(6), Rheumatoid Arthritis : CK(706) : AC(117), Thrombocytopenia : CK(234) : AC(26), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Hepatitis B : CK(429) : AC(54)

Influenza vaccines may be causing vasculitis.

Pubmed Data : J Ethnopharmacol. 2000 Aug;71(3):457-63. PMID: [19734734](#)

Article Published Date : Aug 01, 2000

Authors : Rainer Birck, Isabelle Kaelsch, Peter Schnuelle, Luis Felipe Flores-Suárez, Rainer Nowack

Study Type : Human Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Influenza vaccines may induce hepatitis-B virus-related vasculitis and severe neuropathy.

Pubmed Data : J Cardiovasc Pharmacol. 2003 Sep;42(3):329-38. PMID: [18579284](#)

Article Published Date : Sep 01, 2003

Authors : Yuko Wada, Chie Yanagihara, Yo Nishimura, Nobuyuki Oka

Study Type : Commentary

Additional Links

Diseases : Peripheral Neuropathies : CK(214) : AC(35), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Pubmed Data : Discov Med. 2010 Feb;9(45):90-7. PMID: [20193633](#)

Article Published Date : Feb 01, 2010

Authors : Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type : Commentary

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18), Human Papillomavirus (HPV) : CK(212) : AC(35), Inflammatory Myopathy : CK(31) : AC(4), Macrophagic myofasciitis : CK(36) : AC(7), Multiple Sclerosis : CK(964) : AC(184), Rheumatoid Arthritis : CK(706) : AC(117), Systemic Lupus Erythematosus : CK(466) : AC(67), Vaccine-induced Toxicity : CK(1325) : AC(194), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Haemophilus Influenzae : CK(25) : AC(4) , Vaccination: Hepatitis B : CK(429) : AC(54) , Vaccination: HPV (Gardasil) : CK(150) : AC(22) , Vaccination: Influenza : CK(435) : AC(50) , Vaccination: Lyme disease : CK(11) : AC(2) , Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Rabies : CK(4) : AC(3) , Vaccination:

Rotavirus : CK(33) : AC(6), Vaccination: Tetanus : CK(74) : AC(12) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Viremia (AC 1) (CK 10)

Varicella vaccine has been associated with viremia and streptococcal toxic shock syndrome.

Pubmed Data : Med J Aust. 2009 Apr 20;190(8):451-3. PMID: [19374621](#)

Article Published Date : Apr 20, 2009

Authors : Claire M Italiano, Cheryl S Toi, Simon P Chan, Dominic E Dwyer

Study Type : Human Study

Additional Links

Diseases : Chickenpox : CK(113) : AC(12) , Viremia : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Vitamin D Deficiency (AC 1) (CK 10)

Antibody titers for all HPV strains were significantly higher among those with lower vitamin D levels and among younger participants.

Pubmed Data : Hum Vaccin Immunother. 2015 Jul 15:0. Epub 2015 Jul 15. PMID: [26176493](#)

Article Published Date : Jul 14, 2015

Authors : Richard K Zimmerman, Chyongchiou Jeng Lin, Jonathan M Raviotta, Mary Patricia Nowalk

Study Type : Human Study

Additional Links

Substances : Vitamin D : CK(3681) : AC(511)

Diseases : Human Papillomavirus (HPV) : CK(212) : AC(35) , Vitamin D Deficiency : CK(1706) : AC(180)

Pharmacological Actions : Immunomodulatory : CK(1287) : AC(358)

Additional Keywords : Antibody Titers : CK(13) : AC(2) , Vaccine Efficacy : CK(10) : AC(1)
Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Whooping Cough (AC 15) (CK 92)

"Primary infections with either *B. pertussis* or *Bordetella parapertussis* stimulated a vigorous antibody response to ACT. In contrast, patients in whom DTP and DTaP vaccines failed had minimal ACT antibody responses."

Pubmed Data : Clin Infect Dis. 2004 Feb 15 ;38(4):502-7. Epub 2004 Jan 29. PMID: [14765342](#)

Article Published Date : Feb 14, 2004

Authors : James D Cherry, Dorothy X L Xing, Penny Newland, Kashmira Patel, Ulrich Heininger, Michael J Corbel

Study Type : Human Study

Additional Links

Diseases : Parapertussis : CK(13) : AC(2) , Whooping Cough : CK(147) : AC(22)

Additional Keywords : Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions : Vaccination: Pertussis : CK(148) : AC(25)

A case report of a 5-year-old, fully immunized boy with PCR proven consecutive *B. pertussis* and *B. parapertussis* infections.

Pubmed Data : Pediatr Infect Dis J. 2016 Jul 6. Epub 2016 Jul 6. PMID: [27391699](#)

Article Published Date : Jul 05, 2016

Authors : Ulrich Heininger, Detlef Schlassa

Study Type : Human: Case Report

Additional Links

Diseases : Parapertussis : CK(13) : AC(2) , Pertussis : CK(123) : AC(23) , Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: Pertussis : CK(148) : AC(25)

Asymptomatic transmission is the most parsimonious explanation for many of the observations surrounding the resurgence of *B. pertussis* in the US and UK.

Pubmed Data : BMC Med. 2015 ;13:146. Epub 2015 Jun 24. PMID: [26103968](#)

Article Published Date : Dec 31, 2014

Authors : Benjamin M Althouse, Samuel V Scarpino

Study Type : Commentary

Additional Links

Diseases : [Whooping Cough](#) : CK(147) : AC(22)

Additional Keywords : [Asymptomatic Transmission](#) : CK(1) : AC(1)

Anti Therapeutic Actions : [Vaccination: Pertussis](#) : CK(148) : AC(25)

Bordetella pertussis strains that are pertactin negative have a greater ability of to colonize acellular vaccine immunised mice.

Pubmed Data : Vaccine. 2015 Oct 2. Epub 2015 Oct 2. PMID: [26432908](#)

Article Published Date : Oct 01, 2015

Authors : Azadeh Safarchi, Sophie Octavia, Laurence Don Wai Luu, Chin Yen Tay, Vitali Sintchenko, Nicholas Wood, Helen Marshall, Peter McIntyre, Ruiting Lan

Study Type : Animal Study

Additional Links

Diseases : [Whooping Cough](#) : CK(147) : AC(22)

Additional Keywords : [Risk Factors](#) : CK(3057) : AC(392)

Anti Therapeutic Actions : [Vaccination: Pertussis](#) : CK(148) : AC(25)

Both whole-cell and acellular pertussis vaccines are effective at reducing disease severity but not transmission, resulting in outbreaks in vaccinated cohorts.

Pubmed Data : Pathog Dis. 2015 Nov ;73(8). Epub 2015 Aug 6. PMID: [26253079](#)

Article Published Date : Oct 31, 2015

Authors : Shelly Bolotin, Eric T Harvill, Natasha S Crowcroft

Study Type : Review

Additional Links

Diseases : [Whooping Cough](#) : CK(147) : AC(22)

Anti Therapeutic Actions : [Vaccination: Pertussis](#) : CK(148) : AC(25)

Despite the CDC's current recommendation to vaccinate postpartum women before hospital discharge with the tetanus and diphtheria toxoids and acellular pertussis (Tdap) vaccine in order to prevent pertussis infection in

their offspring, it does not reduce

Pubmed Data : Clin Infect Dis. 2011 Nov 10. Epub 2011 Nov 10. PMID: [22075790](#)

Article Published Date : Nov 10, 2011

Authors : Luis A Castagnini, C Mary Healy, Marcia A Rench, Susan H Wootton, Flor M Munoz, Carol J Baker

Study Type : Human Study

Additional Links

Diseases : [Pertussis](#) : CK(123) : AC(23), [Whooping Cough](#) : CK(147) : AC(22)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Diphtheria-Pertussis-Tetanus](#) : CK(315) : AC(36), [Vaccination: Pertussis](#) : CK(148) : AC(25), [Vaccination: Tetanus](#) : CK(74) : AC(12)

Lactobacillus bulgaricus contains a substance which may improve immunogenicity and reduce the toxicity of pertussis vaccination (whooping cough vaccine).

Pubmed Data : Zh Mikrobiol Epidemiol Immunobiol. 1986 Jan;(1):62-5. PMID: [3705806](#)

Article Published Date : Jan 01, 1986

Authors : I B Shepeleva, N S Zakharova, T N Remova, I G Bazhanova, M V Britsina

Study Type : Animal Study

Additional Links

Substances : [Lactobacillus bulgaricus](#) : CK(35) : AC(8)

Diseases : [Pertussis](#) : CK(123) : AC(23), [Whooping Cough](#) : CK(147) : AC(22)

Additional Keywords : [Vaccine Side Effect Attenuation](#) : CK(2) : AC(1)

Anti Therapeutic Actions : [Vaccination: Pertussis](#) : CK(148) : AC(25)

Pertussis epidemic despite high levels of vaccination coverage with acellular pertussis vaccine.

Article Published Date : Nov 07, 2013

Authors : Maria-Rosa Sala-Farré, César Arias-Varela, Assumpta Recasens-Recasens, Maria Simó-Sanahuja, Carmen Muñoz-Almagro, Josefa Pérez-Jové

Study Type : Human Study

Additional Links

Diseases : [Pertussis](#) : CK(123) : AC(23), [Whooping Cough](#) : CK(147) : AC(22)

Anti Therapeutic Actions : [Vaccination: Diphtheria-Pertussis-Tetanus](#) : CK(315) : AC(36)

Pertussis vaccination and asthma: is there a link?

Pubmed Data : JAMA. 1994 Aug 24-31;272(8):592-3. PMID: [8057511](#)

Article Published Date : Aug 23, 1994

Authors : M R Odent, E E Culpin, T Kimmel

Study Type : Commentary

Additional Links

Diseases : Asthma : CK(1157) : AC(190) , Autoimmune Diseases : CK(6629) : AC(1128) , Whooping Cough : CK(147) : AC(22)

Additional Keywords : Diseases that are Linked : CK(2335) : AC(304)

Anti Therapeutic Actions : Vaccination: Pertussis : CK(148) : AC(25)

Since the 1993 pertussis epidemic in Cincinnati occurred primarily among children who had been appropriately immunized, it is clear that the whole-cell pertussis vaccine failed to give full protection against the disease.

Pubmed Data : N Engl J Med. 1994 Jul 7;331(1):16-21. PMID: [8202096](#)

Article Published Date : Jul 07, 1994

Authors : C D Christie, M L Marx, C D Marchant, S F Reising

Study Type : Human Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23) , Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) , Vaccination: Pertussis : CK(148) : AC(25)

The risk of adverse events from the pertussis outweighed the risk of pertussis infection during the period of 1970-83 in children living in non-deprived circumstances in Britain.

Pubmed Data : Dev Biol Stand. 1985;61:395-405. PMID: [3835080](#)

Article Published Date : Jan 01, 1985

Authors : G T Stewart

Study Type : Meta Analysis

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194) , Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pertussis : CK(148) : AC(25)

The study results can be interpreted as a partial genetic escape of pathogenic strains of B. pertussis beyond the reach of the pertussis vaccines.

Pubmed Data : Epidemiol Mikrobiol Immunol. 2015 ;64(3):130-8. PMID: [26448300](#)

Article Published Date : Dec 31, 2014

Authors : J Zavadilová, D Lžičařová, M Musílek, P Křížová, K Fabiánová

Study Type : In Vitro Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: Pertussis : CK(148) : AC(25)

These results suggest that the immune pressure of vaccination is one major driving force for the evolution of *B. pertussis*.

Pubmed Data : Sci Rep. 2015 ;5:12888. Epub 2015 Aug 18. PMID: [26283022](#)

Article Published Date : Dec 31, 2014

Authors : Yinghua Xu, Bin Liu, Kirsi Gröndahl-Yli-Hannuksila, Yajun Tan, Lu Feng, Teemu Kallonen, Lichan Wang, Ding Peng, Qiushui He, Lei Wang, Shumin Zhang

Study Type : In Vitro Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: Pertussis : CK(148) : AC(25)

This study demonstrated the differences between natural *B. pertussis* immune response and vaccine induced immune response.

Pubmed Data : BMC Immunol. 2015 ;16:40. Epub 2015 Jul 1. PMID: [26129684](#)

Article Published Date : Dec 31, 2014

Authors : Davide Valentini, Giovanni Ferrara, Reza Advani, Hans O Hallander, Markus J Maeurer

Study Type : Human Study

Additional Links

Diseases : Whooping Cough : CK(147) : AC(22)

Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36) ,
Vaccination: Pertussis : CK(148) : AC(25)

Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants.

Pubmed Data : Emerg Infect Dis. 2000 Sep-Oct;6(5):526-9. PMID: [10998384](#)

Article Published Date : Sep 01, 2000

Authors : I Srugo, D Benilevi, R Madeb, S Shapiro, T Shohat, E Somekh, Y Rimmar, V Gershtein, R Gershtein, E Marva, N Lahat

Study Type : Human Study

Additional Links

Diseases : Pertussis : CK(123) : AC(23) , Vaccine-induced Toxicity : CK(1325) : AC(194), Whooping Cough : CK(147) : AC(22)

Additional Keywords : Reservoirs For Infection : CK(10) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Pertussis : CK(148) : AC(25)

Yellow Fever (AC 1) (CK 1)

From 1990 to the present, the number of cases (n = 31) and deaths (n = 12) from the yellow fever vaccine in travelers has exceeded the reports of YF (n = 6) acquired by natural infection.

Pubmed Data : Expert Rev Vaccines. 2012 Apr ;11(4):427-48. PMID: [22551029](#)

Article Published Date : Apr 01, 2012

Authors : Thomas P Monath

Study Type : Review

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194), Yellow Fever : CK(1) : AC(1)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437) , Vaccination: Yellow Fever : CK(13) : AC(2)

Zika Virus (AC 1) (CK 10)

There are conditions under which vaccination against dengue can significantly increase the Zika outbreak peaks.

Pubmed Data : Sci Rep. 2016 Oct 24 ;6:35623. Epub 2016 Aug 24. PMID: [27774987](#)

Article Published Date : Oct 23, 2016

Authors : Biao Tang, Yanni Xiao, Jianhong Wu

Study Type : Human Study

Additional Links

Diseases : Zika Virus : CK(1) : AC(1)

Additional Keywords : Increased Risk : CK(1600) : AC(192)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Category : Adverse Pharmacological Actions

Apoptotic (AC 1) (CK 2)

Thimerosal had a proapoptotic effect on primary human lymphocytes at concentrations 100 times less to those contained in the multidose vaccine.

Pubmed Data : PLoS One. 2014 ;9(4):e92705. Epub 2014 Apr 1. PMID: [24690681](#)

Article Published Date : Dec 31, 2013

Authors : Emily Loison, Béatrice Poirier-Beaudouin, Valérie Seffer, Audrey Paoletti, Vered Abitbol, Eric Tartour, Odile Launay, Marie-Lise Gougeon

Study Type : Animal Study, In Vitro Study

Additional Links

Diseases : Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Influenza : CK(435) : AC(50)

Problem Substances : Thimerosal : CK(757) : AC(85)

Adverse Pharmacological Actions : Apoptotic : CK(8) : AC(7) , Immunotoxic : CK(294) : AC(52)

Hepatotoxic (AC 1) (CK 2)

Hepatitis B vaccine induces cell death in liver cells and mouse liver.

Pubmed Data : Apoptosis. 2012 Jan 17. Epub 2012 Jan 17. PMID: [22249285](#)

Article Published Date : Jan 17, 2012

Authors : Heyam Hamza, Jianhua Cao, Xinyun Li, Changchun Li, Mengjin Zhu, Shuhong Zhao

Study Type : Animal Study

Additional Links

Diseases : [Liver Damage](#) : CK(877) : AC(329), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Hepatitis B](#) : CK(429) : AC(54)

Problem Substances : [Aluminum Hydroxide](#) : CK(79) : AC(18), [Vaccine Adjuvants](#) : CK(594) : AC(118)

Adverse Pharmacological Actions : [Hepatotoxic](#) : CK(320) : AC(92)

Immunosuppressive (AC 1) (CK 10)

Annual influenza vaccination hampers the development of virus-specific CD8(+) T cell responses necessary to protect against influenza infection.

Pubmed Data : J Virol. 2011 Nov ;85(22):11995-2000. Epub 2011 Aug 31. PMID: [21880755](#)

Article Published Date : Nov 01, 2011

Authors : Rogier Bodewes, Pieter L A Fraaij, Martina M Geelhoed-Mieras, Carel A van Baalen, Harm A W M Tiddens, Annemarie M C van Rossum, Fiona R van der Klis, Ron A M Fouchier, Albert D M E Osterhaus, Guus F Rimmelzwaan

Study Type : Human Study

Additional Links

Diseases : [Cystic Fibrosis](#) : CK(547) : AC(83), [Influenza](#) : CK(789) : AC(123)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Influenza](#) : CK(435) : AC(50)

Adverse Pharmacological Actions : [Immunosuppressive](#) : CK(168) : AC(31)

Immunotoxic (AC 8) (CK 58)

"Yellow fever vaccination and increased relapse rate in

travelers with multiple sclerosis."

Pubmed Data : Arch Neurol. 2011 Oct ;68(10):1267-71. Epub 2011 Jun 13. PMID: [21670384](#)

Article Published Date : Oct 01, 2011

Authors : Mauricio F Farez, Jorge Correale

Study Type : Human Study

Additional Links

Diseases : Multiple Sclerosis : CK(964) : AC(184)

Anti Therapeutic Actions : Vaccination: Yellow Fever : CK(13) : AC(2)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52)

Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.

Pubmed Data : J Inorg Biochem. 2011 Nov ;105(11):1489-99. Epub 2011 Aug 23. PMID: [22099159](#)

Article Published Date : Nov 01, 2011

Authors : Lucija Tomljenovic, Christopher A Shaw

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52) , Neurotoxic : CK(1251) : AC(224)

Autoimmunity following hepatitis B vaccine has been reported.

Pubmed Data : Lupus. 2012 Feb ;21(2):146-52. PMID: [22235045](#)

Article Published Date : Jan 31, 2012

Authors : Y Zafrir, N Agmon-Levin, Z Paz, T Shilton, Y Shoenfeld

Study Type : Human: Case Report

Additional Links

Diseases : Autoimmune Diseases : CK(6629) : AC(1128) , Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52)

Increased risk (4.4 fold) of noninfluenza respiratory virus infections associated with receipt of inactivated influenza vaccine.

Pubmed Data : Clin Infect Dis. 2012 Jun ;54(12):1778-83. Epub 2012 Mar 15. PMID: [22423139](#)

Article Published Date : May 31, 2012

Authors : Benjamin J Cowling, Vicky J Fang, Hiroshi Nishiura, Kwok-Hung Chan, Sophia Ng, Dennis K M Ip, Susan S Chiu, Gabriel M Leung, J S Malik Peiris

Study Type : Human Study

Additional Links

Diseases : [Upper Respiratory Infections](#) : CK(950) : AC(114)

Additional Keywords : [Vaccine Failure](#) : CK(255) : AC(32)

Anti Therapeutic Actions : [Vaccination: Influenza](#) : CK(435) : AC(50)

Adverse Pharmacological Actions : [Immunotoxic](#) : CK(294) : AC(52)

The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines.

Pubmed Data : J Trace Elem Med Biol. 2012 Mar 14. Epub 2012 Mar 14. PMID: [22425036](#)

Article Published Date : Mar 14, 2012

Authors : Olivier Guillard, Bernard Fauconneau, Alain Pineau, Annie Marraud, Jean-Pierre Bellocq, Marie-Pierre Chenard

Study Type : Human: Case Report, Review

Additional Links

Diseases : [Chronic Fatigue Syndrome](#) : CK(275) : AC(40) , [Macrophagic myofasciitis](#) : CK(36) : AC(7), [Pseudolymphoma](#) : CK(3) : AC(1)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437)

Problem Substances : [Aluminum Hydroxide](#) : CK(79) : AC(18) , [Vaccine Adjuvants](#) : CK(594) : AC(118)

Adverse Pharmacological Actions : [Immunotoxic](#) : CK(294) : AC(52)

Thimerosal had a proapoptotic effect on primary human lymphocytes at concentrations 100 times less to those contained in the multidose vaccine.

Pubmed Data : PLoS One. 2014 ;9(4):e92705. Epub 2014 Apr 1. PMID: [24690681](#)

Article Published Date : Dec 31, 2013

Authors : Emily Loison, Béatrice Poirier-Beaudouin, Valérie Seffer, Audrey Paoletti, Vered Abitbol, Eric Tartour, Odile Launay, Marie-Lise Gougeon

Study Type : Animal Study, In Vitro Study

Additional Links

Diseases : [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: Influenza](#) : CK(435) : AC(50)

Problem Substances : [Thimerosal](#) : CK(757) : AC(85)

Adverse Pharmacological Actions : [Apoptotic](#) : CK(8) : AC(7) , [Immunotoxic](#) : CK(294) : AC(52)

This was a case study in which 3 patients with autoimmune/auto-inflammatory syndrome induced by adjuvants (ASIA) after quadrivalent human papillomavirus vaccination (HPV).

Pubmed Data : Clin Exp Rheumatol. 2015 May 11. Epub 2015 May 11. PMID: [25962455](#)

Article Published Date : May 10, 2015

Authors : Juan-Manuel Anaya, Benjamin Reyes, Ana M Perdomo-Arciniegas, Bernardo Camacho-Rodríguez, Adriana Rojas-Villarraga

Study Type : Human Study

Additional Links

Diseases : Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Problem Substances : Vaccine Adjuvants : CK(594) : AC(118)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52), Inflammatory : CK(244) : AC(66)

Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).

Pubmed Data : JAMA Neurol. 2014 Dec ;71(12):1506-13. PMID: [25329096](#)

Article Published Date : Nov 30, 2014

Authors : Annette Langer-Gould, Lei Qian, Sara Y Tartof, Sonu M Brara, Steve J Jacobsen, Brandon E Beaber, Lina S Sy, Chun Chao, Rulin Hechter, Hung Fu Tseng

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52), Neurotoxic : CK(1251) : AC(224)

Inflammatory (AC 2) (CK 20)

This was a case study in which 3 patients with autoimmune/auto-inflammatory syndrome induced by adjuvants (ASIA) after quadrivalent human papillomavirus vaccination (HPV).

Pubmed Data : Clin Exp Rheumatol. 2015 May 11. Epub 2015 May 11. PMID: [25962455](#)

Article Published Date : May 10, 2015

Authors : Juan-Manuel Anaya, Benjamin Reyes, Ana M Perdomo-Arciniegas, Bernardo Camacho-Rodríguez, Adriana Rojas-Villarraga

Study Type : Human Study

Additional Links

Diseases : Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4)

Additional Keywords : Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions : Vaccination: HPV (Gardasil) : CK(150) : AC(22)

Problem Substances : Vaccine Adjuvants : CK(594) : AC(118)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52), Inflammatory : CK(244) : AC(66)

Typhoid vaccination produced significant impairments in several measures of sleep continuity.

Pubmed Data : Psychopharmacology (Berl). 2016 Aug 9. Epub 2016 Aug 9. PMID: [27503474](#)

Article Published Date : Aug 08, 2016

Authors : Ann L Sharpley, Charlotte M Cooper, Clare Williams, Beata R Godlewska, Philip J Cowen

Study Type : Human Study

Additional Links

Diseases : Circadian Dysregulation : CK(165) : AC(34), Sleep Disorders : CK(282) : AC(32)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Adverse Pharmacological Actions : Inflammatory : CK(244) : AC(66)

Interleukin-6 up-regulation (AC 1) (CK 10)

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the

risk of preeclampsia and adverse outcomes such as preterm birth.

Pubmed Data : Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: [21945263](#)

Article Published Date : Sep 20, 2011

Authors : Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

Study Type : Human Study

Additional Links

Diseases : CRP : CK(30) : AC(3), Elevated CRP : CK(82) : AC(9), Pre-Eclampsia : CK(299) : AC(33), Pregnancy: Vaccination : CK(92) : AC(16), Pregnancy Complications : CK(192) : AC(23), Preterm Birth: Prevention : CK(111) : AC(9), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions : Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factor α (TNF α) up-regulation : CK(42) : AC(4)

Myotoxicity (AC 1) (CK 3)

Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs.

Pubmed Data : Nephrol Dial Transplant. 2000 May ;15(5):740-1. PMID: [10809833](#)

Article Published Date : May 01, 2000

Authors : E Plotkin, J Bernheim, S Ben-Chetrit, A Mor, Z Korzets

Study Type : Human: Case Report

Additional Links

Diseases : Rhabdomyolysis : CK(165) : AC(38), Statin-Induced Pathologies : CK(1638) : AC(327)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Problem Substances : Statin Drugs : CK(4171) : AC(500)

Adverse Pharmacological Actions : Myotoxicity : CK(327) : AC(80)

Neurotoxic (AC 11) (CK 53)

Alhydrogel injected at low dose in mouse muscle may selectively induce long-term Al cerebral accumulation and neurotoxic effects.

Pubmed Data : Toxicology. 2016 Nov 28. Epub 2016 Nov 28. PMID: [27908630](#)

Article Published Date : Nov 27, 2016

Authors : Guillemette Crépeaux, Housam Eidi, Marie-Odile David, Yasmine Baba-Amer, Eleni Tzavara, Bruno Giros, François-Jérôme Authier, Christopher Exley, Christopher A Shaw, Josette Cadusseau, Romain K Gherardi

Study Type : Animal Study

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.

Pubmed Data : J Inorg Biochem. 2011 Nov ;105(11):1489-99. Epub 2011 Aug 23. PMID: [22099159](#)

Article Published Date : Nov 01, 2011

Authors : Lucija Tomljenovic, Christopher A Shaw

Study Type : Human Study

Additional Links

Diseases : Autism : CK(617) : AC(73) , Autism Spectrum Disorders : CK(1493) : AC(159)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum Hydroxide : CK(79) : AC(18)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52) , Neurotoxic : CK(1251) : AC(224)

Brain translocation of aluminum particles is linked to a trojan horse mechanism previously described for infectious particles.

Pubmed Data : Front Neurol. 2015 ;6:4. Epub 2015 Feb 5. PMID: [25699008](#)

Article Published Date : Dec 31, 2014

Authors : Romain Kroum Gherardi, Housam Eidi, Guillemette Crépeaux, François Jerome Authier, Josette Cadusseau

Study Type : Review

Additional Links

Diseases : Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Macrophagic myofasciitis : CK(36) : AC(7)

Additional Keywords : Biopersistence : CK(11) : AC(2), Genomic Variation : CK(143) : AC(18), Gulf War Syndrome : CK(1) : AC(1), Risk Factors : CK(3057) : AC(392)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)
Problem Substances : Aluminum Hydroxide : CK(79) : AC(18)
Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

Content: Neurotoxic | Cumulative Knowledge: 1251 | Article Count: 224

Pubmed Data : NONE

Study Type : Human Study

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159), Infant Neurological Development : CK(58) : AC(9)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Thimerosal : CK(757) : AC(85)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

Measles vaccine and glyphosate-induced parkinsonism has been reported.

Pubmed Data : Arq Neuropsiquiatr. 2003 Jun ;61(2B):381-6. Epub 2003 Jul 28. PMID: [12894271](#)

Article Published Date : Jun 01, 2003

Authors : Maria do Desterro Leiros da Costa, Lílian Regina Gonçalves, Egberto Reis Barbosa, Luiz Alberto Bacheschi

Study Type : Human: Case Report

Additional Links

Diseases : Glyphosate Toxicity : CK(76) : AC(30), Parkinsonian Disorders : CK(25) : AC(13), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: Measles : CK(252) : AC(31)

Problem Substances : Glyphosate : CK(502) : AC(160)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

Neonatal HBV vaccination of mice results in neurobehavioral impairments in early adulthood.

Pubmed Data : Psychoneuroendocrinology. 2016 Aug 2 ;73:166-176. Epub 2016 Aug 2. PMID: [27501128](#)

Article Published Date : Aug 01, 2016

Authors : Junhua Yang, Fangfang Qi, Yang Yang, Qunfang Yuan, Juntao Zou, Kaihua Guo, Zhibin Yao

Study Type : Animal Study

Additional Links

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

Repetitive administration of aluminium to neonatal mice in amounts comparable to those to children receive via routine vaccinations result in neurodisruptive effects.

Pubmed Data : J Inorg Biochem. 2013 Nov ;128:237-44. Epub 2013 Jul 19. PMID: [23932735](#)

Article Published Date : Oct 31, 2013

Authors : C A Shaw, Y Li, L Tomljenovic

Study Type : Animal Study

Additional Links

Diseases : Autism Spectrum Disorders : CK(1493) : AC(159)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Problem Substances : Aluminum : CK(274) : AC(78), Vaccine Adjuvants : CK(594) : AC(118)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

Thimerosal at concentrations relevant for infants exposure in vaccines is toxic to cultured human brain cells and to laboratory animals.

Pubmed Data : Neurochem Res. 2011 Jun ;36(6):927-38. Epub 2011 Feb 25. PMID: [21350943](#)

Article Published Date : May 31, 2011

Authors : José G Dórea

Study Type : Review

Additional Links

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Problem Substances : Thimerosal : CK(757) : AC(85)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

This study provides new evidence to confirm a significant relationship between exposure to thimerosal and increased diagnosis for delays in development.

Pubmed Data : J Epidemiol Glob Health. 2015 Jul 9. Epub 2015 Jul 9. PMID: [26166425](#)

Article Published Date : Jul 08, 2015

Authors : David A Geier, Janet K Kern, Brian S Hooker, Paul G King, Lisa K Sykes, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : Developmental Disorder: Children : CK(71) : AC(8)

Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)

Problem Substances : Thimerosal : CK(757) : AC(85)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).

Pubmed Data : JAMA Neurol. 2014 Dec ;71(12):1506-13. PMID: [25329096](#)

Article Published Date : Nov 30, 2014

Authors : Annette Langer-Gould, Lei Qian, Sara Y Tartof, Sonu M Brara, Steve J Jacobsen, Brandon E Beaber, Lina S Sy, Chun Chao, Rulin Hechter, Hung Fu Tseng

Study Type : Human Study

Additional Links

Diseases : Demyelinating Diseases : CK(1671) : AC(332), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

Adverse Pharmacological Actions : Immunotoxic : CK(294) : AC(52), Neurotoxic : CK(1251) : AC(224)

exposure to thimerosal during early postnatal life produces lasting alterations in the densities of brain opioid receptors along with other neuropathological changes, which may disturb brain development.

Pubmed Data : Neurochem Res. 2010 Nov ;35(11):1840-7. Epub 2010 Aug 28. PMID: [20803069](#)

Article Published Date : Oct 31, 2010

Authors : Mieszko Olczak, Michalina Duszczyk, Pawel Mierzejewski, Teresa Bobrowicz, Maria Dorota Majewska

Study Type : Animal Study

Additional Links

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Problem Substances : Thimerosal : CK(757) : AC(85)

Adverse Pharmacological Actions : Neurotoxic : CK(1251) : AC(224)

Obesogenic (AC 1) (CK 10)

Increased organic mercury exposure from Thimerosal-

containing hepatitis B vaccines could lead to an increased risk of obesity diagnosis.

Pubmed Data : N Am J Med Sci. 2016 Jul ;8(7):297-306. PMID: [27583238](#)

Article Published Date : Jun 30, 2016

Authors : David A Geier, Janet K Kern, Kristin G Homme, Lisa K Sykes, Mark R Geier

Study Type : Human Study

Additional Links

Diseases : [Obesity](#) : CK(2443) : AC(521)

Additional Keywords : [Risk Factors](#) : CK(3057) : AC(392)

Anti Therapeutic Actions : [Vaccination: Hepatitis B](#) : CK(429) : AC(54)

Problem Substances : [Thimerosal](#) : CK(757) : AC(85)

Adverse Pharmacological Actions : [Obesogenic](#) : CK(73) : AC(14)

Teratogenic (AC 1) (CK 10)

Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy.

Pubmed Data : Am J Epidemiol. 2008 Aug 15 ;168(4):434-42. Epub 2008 Jul 2. PMID: [18599489](#)

Article Published Date : Aug 15, 2008

Authors : Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson

Study Type : Human Study

Additional Links

Diseases : [Anthrax](#) : CK(47) : AC(9), [Birth Defects](#) : CK(204) : AC(39), [Vaccine-induced Toxicity](#) : CK(1325) : AC(194)

Anti Therapeutic Actions : [Vaccination: All](#) : CK(5137) : AC(437), [Vaccination: Anthrax](#) : CK(62) : AC(8)

Adverse Pharmacological Actions : [Teratogenic](#) : CK(320) : AC(63)

Tumor necrosis factor α (TNF α) up-

regulation (AC 2) (CK 20)

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.

Pubmed Data : Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: [21945263](#)

Article Published Date : Sep 20, 2011

Authors : Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

Study Type : Human Study

Additional Links

Diseases : CRP : CK(30) : AC(3), Elevated CRP : CK(82) : AC(9), Pre-Eclampsia : CK(299) : AC(33), Pregnancy: Vaccination : CK(92) : AC(16), Pregnancy Complications : CK(192) : AC(23), Preterm Birth: Prevention : CK(111) : AC(9), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions : Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factor α (TNF α) up-regulation : CK(42) : AC(4)

Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination.

Pubmed Data : Clin Exp Rheumatol. 2012 Mar 15. Epub 2012 Mar 15. PMID: [22513085](#)

Article Published Date : Mar 15, 2012

Authors : Natasa Toplak, Vesna Subelj, Tanja Kveder, Sasa Cucnik, Katarina Prosenc, Alenka Trampus-Bakija, Ljupco Todorovski, Tadej Avcin

Study Type : Human Study

Additional Links

Diseases : Arthritis: Juvenile Idiopathic : CK(20) : AC(2), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions : Tumor necrosis factor α (TNF α) up-regulation : CK(42) : AC(4)

This document is for information purposes only. By providing the information contained herein we are not diagnosing, treating, curing, mitigating, or preventing any type of disease or medical condition. Before beginning any type of natural, integrative or conventional treatment regimen, it is advisable to seek the advice of a licensed healthcare professional.

