

CURRICULUM VITAE

Paul H. Young, M.D.

BUSINESS:

Retired
paulhyoungmd@gmail.com
<https://doctorphy.com>

PERSONAL:

Date of Birth: 18 February 1950
Citizenship: USA
SSN: 492-54-5001
Military Service: None

SPOUSE:

Lisa Marie Sorrentino Young 16 March 1967

DEPENDENTS:

Julie (1974) Knox	B.S. Biology - University of Colorado, 1995 M.D. - St. Louis Univ School of Medicine, 1999 Resident in Pediatrics, Cardinal Glennon Hospital, St. Louis University, School of Medicine, 2002 Chief Resident – Instructor in Pediatrics, Cardinal Glennon Hospital, St. Louis University School of Medicine, 2003 Private Practice Premier Pediatrics (BJC) 150 Richardson Crossing Arnold, Mo. 63010 premierpeds@wustl.edu
Jennifer (1977) Jadlot	BSRN - Boston College, 2000 Woodlands Christian Academy Adolescent Counseling 5800 Alden Woods, The Woodlands Houston, TX 77384
Jason (1978)	B.S. Biology - Boston College, 2001 M.D. - St. Louis Univ School of Medicine, 2005 Resident in Orthopedics, Loyola University, Chicago, 2010 Fellowship in Sports Orthopedics, Steadman- Hawkins Clinic Denver, 2011 Motion Orthopedics 633 Emerson Rd, Creve Coeur, MO 63141

Jacqueline (1983) Maffett	B.A. Psychology - Wake Forest University, 2005 Child Psychology major M.A. Counseling Psychology- Northwestern University Graduate School Chicago June, 2007 Private Counseling Practice San Diego
Robert (1992) Carr	Rockhurst University – Kansas City 5 year MBA Program (2016) Accountant Rubin-Brown Public Accountants 1 N Brentwood Blvd #1100, St. Louis, MO 63105
Clare (1994) Carr	Rockhurst University – Kansas City 5 year MBA Program (2017) Accountant Price Waterhouse Coopers 800 Market St #1900 St. Louis, Mo. 63101
Victoria (1996) Carr	Rockhurst University – Kansas City BSRN Program (2018) Operating Room Supervising Nurse Motion Orthopedics Wentzville, Mo.

EDUCATION:

St. Louis University High School, Diploma	1968
St. Louis University, B.A. in Chemistry	1971
St. Louis University School of Medicine, M.D.	1975

POSTGRADUATE TRAINING:

U.C.L.A. - Harbor General Hospital, Torrance, CA Intern in Medicine	1975-76
St. Louis University Hospitals, St. Louis, MO Resident in Surgery	1976-77
St. Louis University Hospital, St. Louis, MO Resident in Neurosurgery	1977-80
University of Zurich, Switzerland Fellow, Neurological Microvascular Surgery (Professor M. Gazi Yasargil)	1980-81

BOARD CERTIFICATION:

American Board of Neurological Surgery	September 1983
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Elective Recertification - 10 year cycle

2010-2020

FELLOWSHIPS:

FAANS

July, 2010

(Fellow of the American Association of Neurological Surgeons)

MEDICAL LICENSURE:

Missouri

R7811

1977

ACADEMIC APPOINTMENTS:

Assistant Professor of Surgery (Neurosurgery) St. Louis University School of Medicine	1981 - 83
Assistant Professor of Anatomy, St. Louis University School of Medicine	1981 - 83
Assistant Clinical Professor of Family Practice, University of California, Davis School of Medicine	1983 - 84
Assistant Clinical Professor of Surgery (Neurosurgery), St. Louis University School of Medicine	1983 - 91
Assistant Clinical Professor of Anatomy, St. Louis University School of Medicine	1983 - 91
Associate Clinical Professor of Surgery (Neurosurgery), St. Louis University School of Medicine	1991 - 97
Associate Clinical Professor of Anatomy and Neurobiology, St. Louis University School of Medicine	1991 - 97
Clinical Professor of Anatomy and Neurobiology, St. Louis University School of Medicine	1997 - 04
Clinical Professor of Surgery (Neurosurgery), St. Louis University School of Medicine	1997 -
Clinical Professor, Center for Anatomical Science and Education St. Louis University School of Medicine	2004 -

PROFESSIONAL SOCIETIES:

St. Louis University Medical School - Alumni Association (Sustaining Member)	1975 -
American Medical Association	1981 -
Missouri State Medical Association	1981 -
St. Louis Metropolitan Medical Society	1981 -
St. Louis Society for Neurosciences	1982 -
Missouri State Neurosurgical Society	1982 -
Congress of Neurological Surgeons	1982 -
Southern Medical Association	1982 -
St. Louis University- Dubourg Society	1983
American Board Club	1984 -
St. Louis Surgical Society	1985 -
National Stroke Association	1985 -
Southern Neurosurgical Society	1985 -
American Association of Neurological Surgeons-Cushing Society	1988 -
North American Skull Base Society (Founding Member)	1989

Sigma Xi, Scientific Research Society	1989-
American Heart Association - Stroke Council	1990
Missouri State Neurological Association	1990
Society for Neuroscience	1990 -
Health Volunteers Overseas	1990 -
Physicians for Human Rights	1990 -
Academy of Science of St. Louis	1992 –
American Association for Advancement of Science	1994 –
North American Spine Society	1996 -
Pan Africa Association of Neurological Science	2000 -
The Neurological Society of Kenya	2000 –
World Federation of Neurology	2000-
Association for Medical Ethics (AME)	2011-

HONORS/AWARDS

Beta Beta Beta - Biological Honor Society	1971
American Chemical Association - Graduate Award	1971
Southern Medical Association - Freshman Scholarship Award	1972
Kinsella Memorial Award - St. Louis University Hospitals – Outstanding House Officer of the Year	1979 -80
The New St. Louisians - Extraordinary Men and Women Under Forty Who are Shaping St. Louis - St. Louis Magazine	1985
American Medical Association - Physician Recognition Award	1989 -91
GSLSHET Achievement Award - Outstanding Contribution to Healthcare Education and Training	1990
Sigma Xi - Scientific Research Honor Society of North America	1990
American Heart Association - Stroke Council - Fellow	1990
Who's Who in Health and Medical Services	1990
Committee on Education of American Association of Neurological Surgeons and Congress of Neurological Surgeons CME Award	1990 -92
American Medical Association - Physician Recognition Award	1991 -94
Who's Who Among Rising Young Americans	1992
Men of Achievement - 16th Edition Cambridge	1993
Committee on Education of American Association of Neurological Surgeons and Congress of Neurological Surgeons CME Award	1993 -95
American Medical Association - Physician Recognition Award	1994 -97
Coordinating Committee on Continuing Education of American Association of Neurological Surgeons CME Award	1996 -98
American Medical Association - Physician Recognition Award	1997 -00
Association of Neurological Surgeons - Certificate of Appreciation, Professional Development Faculty Member	2000
American Medical Association-Physician Recognition Award	2000- 03
Cardinal Ritter Institute- Celebrity Waiter	2002
Missouri Medical Association 2003 Community Service and Citizenship Award	2003
American Medical Association Foundation Pride in the Profession Award	2003
American Medical Association- Physician Recognition Award	2003-06
Best Doctors in America	2003-04

Best Doctors in America	2004-05
Academy of Science- St. Louis	
Science Educator of the Year Award	2004
Best Doctors in America	2005-06
Miembro Corresponsiente- Sociedad de Neurocirugia de Levante	2006
Best Doctors in America	2006-07
Best Doctors in America	2007-08
Visiting Professor – Johns Hopkins University Dept of NSG	2008
Best Doctors in America	2008-09
PAUL C BUCY Award in Neurosurgical Education	2009
Best Doctors in America	2009-10
Best Doctors in America	2010-11
Egyptian Society of Neurological Surgeons Recognition Award	2010
St Anthony's Medical Center Charitable Foundation –	
'Spirit of Caring' Award	2010
Best Doctors in America	2011-12
Best Doctors in America	2012-13
Best Doctors in America	2013-14
St. Anthony's Medical Center Recognition Award	2014
Best Doctors in America	2014-15
Best Doctors in America	2015-16
Best Doctors in America	2017-18
Best Doctors in America	2018-19
Best Doctors in America	2018-19
Best Doctors in America	2019-20

PROFESSIONAL SERVICES:

Congress of Neurological Surgeons	
Sergeant-at-Arms Committee	1983 - 85
Resident's Registry Committee - Chairman	1983 - 85
Host Committee	1984
Microsurgery and Brain Research Institute - President	1984 - 10
National Stroke Association	
Scientific Advisory Board	1985 - 90
St. Louis University Medical School Alumni Association	
10 year Reunion Chairman	1985
25 year Reunion Chairman	2000
St. Anthony's Medical Center	
Frequent Speaker at Community Education, Nursing,	
and Physician Seminars	1983 - present
Stroke Hotline Founder	1988
Medical Records Review Committee	1990 - 91
OR Committee	1992 - 93
Orthopedic Review Committee	1998 - 01
Credentials Committee - Chairman	2001 - 03
Medical Executive Committee (MEC) – Secretary	2003 - 05
Stoke Center Development Committee	2003 - 04
Physician Performance Profile Development	2005
Operating Room committee	2007- 17
Spinal Surgery Care Review Sub-Committee	2007- 14
Section Chief- Neurosurgery	2007- 15

Director of Clinical Education and Neuroscience Development	2009-10
St. Mary's Hospital	
Ambassador Speaker's Program	1990 - 95
Frequent Speaker at Community Education, Nursing, and Physician Seminars	1983 - 05
Surgical Care Review Committee	2002- 04
St. Louis Metropolitan Medical Society	
Program Committee Chairman	1990 - 94
St. Louis Society for Medical /Scientific Education	
Program Committee Chairman	1990
Practical Anatomy and Surgical Technique Workshop	
Division Department of Anatomy – Saint Louis University	
Founder and President Board of Directors	1991 - 94
Board of Directors	1994 - 99
Program Committee	1991 - 99
Adventures in Medicine and Science	
Youth Planning Committee	1994 - 99
Adventures in Medicine and Science	
Adult Education Director	2000
Workshop Director	2000
Division Director	2001- 03
Partners in Surgical Education (PASE)	
President	2005- present
Saint Louis University School of Medicine	
Executive Committee	2000 - 03
Neurosurgery Training Program-East Africa, Kenya	
NSTPEA Program Coordinator – Steering Committee Facilitator	2002-05
Foundation for International Education in Neurosurgery (FIENS)	
Board Member	2004-09
Representative for Africa	2006-09
Southern Medical Association	
Midwest Vice-Councilor	2006-09
AANS resident mentor Program	2009
St. Louis CAPS Program- business partner	2014-
Editorial Reviewer for World Neurosurgery	2016-21
Editorial Reviewer for East and Central African Journal of Surgery	2017-21
Mercy Clinic South Board Chairman	2018-21
Mercy East Board of Directors	2019-21

RESEARCH SUPPORT:

St. Louis University Biomedical Research Support Grant “Mural Vascular Repair Following Aneurysmal Obliteration” October 1981 - September 1982

PUBLICATIONS (Journals):

- (1) Young, P.H., John D. Bouhasin and Hendrick B. Barner: Aortic valve replacement in Von Willebrand's Disease. J. Thoracic & Cardiovascular Surgery, 76:218-222, 1978.
- (2) Young, P.H., Kenneth R. Smith, David C. Crafts and Hendrick B. Barner: Traumatic occlusion in fibromuscular dysplasia of the carotid artery. Surgical Neurology, 16:432-437, 1981.

- (3) Young, P.H. and M. Gazi Yasargil: The use of a small diameter, synthetic graft in rat carotid by-pass. Journal of Microsurgery, 3:3-6, 1981.
- (4) Young, P.H., Kenneth R. Smith and Robert C. Dunn: Surgical decompression following cerebral hemispheric stroke - indications and patient selection using intracranial pressure monitoring and computerized tomography. Southern Medical Journal, 75:473-475, 1982.
- (5) Young, P.H. and M. Gazi Yasargil: Experimental carotid artery aneurysms in rate – A new model for microsurgical practice. Journal of Microsurgery, 3:135-146, 1982.
- (6) Young, P.H.: Neurosurgical care of Reye's syndrome. Neurosurgical News, 1:4-14, 1982.
- (7) Young, P.H.: Digital subtraction angiography. Neurosurgical News, 2:4-13, 1982.
- (8) Young, P.H.: President, 1983 - Kenneth R. Smith, Jr., M.D. St. Louis Metropolitan Medicine, 4:537-539, 1982
- (9) Young, P.H., Hans George Imhof and M. Gazi Yasargil: A Scanning electron Microscope Evaluation of Variably Angled End-To-Side Microvascular Anastomoses. Neurosurgery, 12:306-312, 1983
- (10) Young, P.H.: Lumbar hemangioendothelioma. Surgical Neurology, 20:55-56, 1983
- (11) Young, P.H.: Solitary subcutaneous meningioma presenting as an osteolytic skull Defect - case report. Southern Medical Journal, 76:1039-1040, 1983.
- (12) Young, P.H.: Digital subtraction angiography (DSA) - A new arteriographic procedure. Neuroscience Update, 1:4-15, January, 1984.
- (13) Young, P.H.: Intracranial hemorrhage diagnosis by CAT Scan. Missouri Medicine, 81:194-202, April, 1984.
- (14) Young, P.H.: Safeguarding Against Strokes. Heart to Heart Vol 15, No. 2, 1984
- (15) Piercy, S., John Gregory and P.H. Young: Ventriculoperitoneal shunt pseudocyst causing uretero-pelvic junction obstruction in child with myelomeningocele and retrocaval ureter. Journal of Urology, 132:345, August, 1984
- (16) Guity, A. And P.H. Young: Exposure of the posterior wall during end-to-side vascular anastomosis. Journal of Neurosurgery, 61:1148-1149, December, 1984.
- (17) Young, P.H., Vernon W. Fischer, Afrassiab Guity and Paul A. Young: Mural repair following obliteration of aneurysm. Part I. Production of experimental aneurysms. Journal of Microsurgery, 8:128-137, 1987.
- (18) Young, P.H., Vernon W. Fischer, Paul A. Young, Afrassiab Guity and Mohammed El Fiki: Mural repair following obliteration of aneurysms. Part II. Pathomorphology of treated aneurysms. Journal of Microsurgery 9:194-203, 1988.

- (19) Young, P.H.: Laceration of the abdominal aorta and vena cava following microdisectomy: A case report. Illinois Medical Journal, August 174:93-93, 1988.
- (20) Guity A., and P.H. Young: "Window Technique" for approximation during end-to-end vascular anastomosis. Journal of Microsurgery 10:315-316, 1989
- (21) Guity, A. and P.H. Young: In Search for the "Perfect" Anastomosis. Journal of Microsurgery 11:5-11, 1990.
- (22) Guity, A., and P.H. Young: A New Technique for closure of the dura following transsphenoidal and transclival operations - A technical note. Journal of Neurosurgery 72:824-828, 1990.
- (23) Guity A., and P.H. Young: Mural repair following obliteration of aneurysms: Part III - Pathomorphological effects of Nd: YAG laser on aneurysm. Journal of Microsurgery 12:30-34, 1991.
- (24) Kirse, Dan J., and P.H. Young: A Scanning Electron Microscopic Study of Arterial Endothelial Repair under turbulent flow conditions. Microsurgery 13:26-30, 1992.
- (25) Maves, M.D., Cooper, M.H., Maas, C.S., Benecke, J.E., Young, P.H.: 3-D Video Imaging in Otolaryngology - Head and Neck Surgery. Laryngoscope 103:1174-1176, 1993
- (26) Young, P.H.: Lumbar Stenosis with Osteoporotic Compression Fracture and Neurogenic Claudication. Journal of Spine Disorders 6, No.3: 271, 1993.
- (27) Young, P.H.: Os Odontoideum. Journal of Spinal Disorders 6, No. 4: 369, 1993
- (28) Young, P.H.: C6 Cervical Radiculopathy and Asymptomatic Large C3-C4 Central Disc Herniation. Journal of Spinal Disorders 7, No. 4: 361-364, 1993
- (29) Young, P.H.: Microlumbar Discectomy Utilizing a Microscope. In Operative Techniques in Orthopedics. Volume 7, No. 1, pages 1-8, W.B. Saunders and Company, 1997
- (30) Young, J.P., Young, P.H. Degenerative Disc Disease in Childhood and Adolescence Missouri Medicine Volume 102, 70-72, January/February, 2005
- (31) Young, J.P., Young, P.H. Meningioma Associated with Abscess Formation- Case Report Surgical Neurology Volume 63 Issue 6 584-585, June, 2005
- (32) Young, J.P., Young, P.H., Ackermann M.J., Anderson P., Riew K.D. The Ponticulus Posticus: Implications for Screw Insertion into the First Cervical Lateral Mass Journal of Bone and Joint Surgery Volume 87-A No II P 2495-2499 November, 2005
- (33) Piquer, J, Qureshi M, Young PH Impact of Mobile Endoscopy on Neurosurgical Development in East Africa World Neurosurgery Volume 73, Issue 4 p 280-284 April 2010
- (34) Khan, SH, Young PH, Ringer AJ Endovascular Treatment of Subclavian Artery Stenosis Associated with Vertebral Artery Pseudoaneurysm Clin Neurol Neurosurg 2012 Jul;114(6):754-7

- (35) Adeleye AO, Fasunla JA, Young PH Skull Base Surgery in a Large, Resource-poor, Developing Country with Few Neurosurgeons: Prospects, Challenges and Needs World Neurosurgery 7B:35-43, July/August 2012
- (36) Qureshi M, Piquer, J, Young PH Mobile Endoscopy: A Treatment and Training Model for Childhood Hydrocephalus. World Neurosurgery Volume 79, Issue 2 p 524 February 2013
- (37). Piquer, J, Qureshi M, Young PH Impacto de la neuroendoscopia móvil en el desarrollo de la neurocirugía en África. Un modelo original españolImpact of mobile neuroendoscopy in the development of neurosurgery in Africa. An original Spanish model. Neurocirugía Volume 25, Issue 3, May-June 2014, Pages 145-148
- (38) Piquer J, Qureshi, MM, Young PH and Dempsey R "Neurosurgery, Education and Developement (NED) Program to Treat Hydrocephalus and to Develop Neurosurgery in Africa using Mobile Neuroendoscopic Training" Journal of Neurosurgery: Pediatrics June 2015. Vol 15 No 6 552-559
- (39) Neurosurgical Development in the East, Central and Southern Africa (ECSA) Regions: Past, Present and Future World Neurosurgery Volume 99 782-83 March 2017
- (40) Young, Paul H Neurosurgery in East Africa: Innovations World Neurosurgery Volume 113, May 2018, Pages 436-452
- (41) Andreas Leidinger, Jose Piquer, MD PhD; Eliana E Kim, BA; Hadia Nahonda, MW; Mahmoud Qureshi, MD, PhD; Paul H Young, MD, PhD Treating pediatric hydrocephalus at the Neurosurgery Education and Development Institute: The reality in the Zanzibar Archipelago, Tanzania. World Neurosurgery Volume 117, September 2018, pages 450-456
- (42) Charles Branch, Michael Haglund, Frederick Boop, Robert Dempsey, Young PH The Challenges and Opportunities of Global Neurosurgery in East Africa: The Neurosurgery, Education and Development (NED) Model." Neurosurgical Focus Volume 45 October 2018
- (43). Leidinger, Piquer, Kim, Nahonda, Qureshi and Young Experience in the Early Surgical Management of Myelomeningocele in Zanzibar, East Africa World Neurosurgery Volume 121, January 2019, Pages 493-499
- (44). Robertson et al. Task Shifting and Task Sharing in Neurosurgery: An International Survey of Current Practices in Low and Middle Income Countries. World Neurosurgery X Sept, 2019
- (45). Rodríguez-Mena, Ruben, MD, PhD; Piquer-Martínez Jose; Llácer-Ortega, José L, MD, PhD; Young, Paul H., MD, Qureshi Mahmood M FRCSEd(SN); García-Rubio María), Piquer-Belloch José The NED Foundation Experience: A Model of Global Neurosurgery Brain and Spine, April, 2023
- (46). Lippa, Laura MD, Cadieux, Magalie MD, MMSc, Barthélemy, Ernest J. MD, MPH, MA; Baticulon, Ronnie E. MD, Ghotme, Kemel A. MD, PhD, Shlobin, Nathan A. MD, MBA, Piquer, J MS, Rosseau, Gail MD, Qureshi, Mubashir Mahmood MBChB, MMed(Surg) Clinical Capacity Building Through Partnerships: Boots on the Ground in Global Neurosurgery Neurosurgery 95(4):p 728-739, October 2024

PUBLICATIONS (Books):

- (1) Yasargil, M. Gazi and P.H. Young: Microneurosurgery. Vol. 1-Anatomy. George Thieme Verlag, Stuttgart, New York, 1984.
- (2) Yasargil, M. Gazi and P.H. Young: Microneurosurgery. Vol. 2-Aneurysms. George Thieme Verlag, Stuttgart, New York, 1984.
- (3) Williams, R., McCulloch, J. and P.H. Young: Microsurgery of the Lumbar Spine. Aspen Press, November, 1989.
- (4) Young, P.H.: Microsurgery of the Cervical Spine, Raven Press, September 1991.
- (5) Yasargil, M. Gazi and P.H. Young: Microneurosurgery Volume IV A - CNS Tumors. George Thieme Verlag, Stuttgart, New York 1994.
- (6) Yasargil, M. Gazi and P.H. Young: Microneurosurgery Volume IV B - CNS Tumors. George Thieme Verlag, Stuttgart, New York 1995.
- (7) Young, P.H.: Microdiscectomy for Lumbar Disc Protrusion In Al-Mefty, O., Oritano, T.C., Harkey. H.L. Controversies in Neurosurgery, George Thieme Verlag, Stuttgart, New York 1996.
- (8) Young, P.H. and Bailey, G.J.: Intraoperative Video in Neurosurgery. Wilkins/Rengachary Textbook of Neurosurgery, McGraw-Hill 1996
- (9) Young, P.A. and P.H. Young: Basic Clinical Neuroanatomy - Williams & Wilkins, 1997
- (10) McCulloch, J. And P.H. Young: Essentials of Spine Microsurgery, Lippincott - Raven Press, 1998
- (11) Young, J.C. and Young, P.H.: Microsurgical Posterior Approaches to the Cervical Spine. In Minimally Invasive Spine Surgery, H. Michael Mayer, Ed. Chapter 5, February 2000
- (12) Young, Paul Henry: Death of a Healer - Durban House Publishing, Dallas, August 2001
- (13) Young, P.H.: Posterolateral Approaches to the Thoracic Spine - In Surgical Approaches to the Spine, 2nd Edition, Robert G. Watkins Ed., Springer, 2003
- (14) Young PH, Young JC, Young JP: Microsurgical Posterior Approaches to the Cervical Spine Minimally Invasive Spine Surgery. H. Michael Mayer, Ed, Springer, 2005
- (15) Lim MR, Lee JR, Young PH, Hillibrand AS: Unilateral hemi-laminotomy for bilateral decompression (Lumbar sub-laminoplasty) - Minimally Invasive Spine Surgery. Vaccaro and Bono, Taylor and Francis May, 2007
- (16) Young, P.A., Young P.H. and Tolbert D: Basic Clinical Neuroscience- Williams and Wilkins, October, 2007

- (17) Young, P.H. and Young J.P. Microscopic Approach to the Posterior Lumbar Spine for Decompression. The Textbook of Operative Spinal Surgery, 2nd edition, Keith Bridwell, Ed. Lippincott/Williams and Wilkins January, 2011
- (18) Young, PH and Young JP. Unilateral Partial Laminotomy (Laminaplasty) for Bilateral Decompression Advanced Reconstruction: Spine Jeff Wang, Ed. North American Spine Society AAOS August, 2011

MAJOR PRESENTATIONS (Posters, Papers, Abstracts):

- (1) Young, P.H., H.G. Imhof and M. Gazi Yasargil: (Poster) A Scanning Electron Microscope Evaluation of Variably Angled Chronic End-to-Side Microvascular Anastomoses in the Rat. American Association of Neurological Surgeons, Honolulu, April 1992.
- (2) Young, P.H.: (Poster) Use of PTFE in Microsurgery as a Vascular Conduit, Extravascular Sleeve and Intravascular Stent. Congress of Neurologic Surgeons, Toronto, October 1982.
- (3) Young, P.H. and V.W. Fischer: (Paper) Mural Vascular Repair Following Aneurysm Obliteration. American Association Neurologic Surgeons, San Francisco, April 1984.
- (4) Bailey, G.J. and P.H. Young: (Poster) A 3-Dimensional Pictorial Display of the Subarachnoid Cisterns as Viewed Through the Operating Microscope. Congress Neurologic Surgeons, New York, September 1984.
- (5) Young, P.H., et al.: (Poster) Mural Repair Following the Obliteration of Aneurysms. Ninth International Symposium on Microsurgery for Cerebral Ischemia, Detroit, July, 1988.
- (6) Guity, A. and P.H. Young: (Poster) The "Perfect" Anastomosis. Ninth International Symposium on Microsurgery for Cerebral Ischemia, Detroit, July 1988.
- (7) Guity, A. and P.H. Young: (Poster) - "Closure of the Dura Following Transsphenoidal Hypophysectomy. International Symposium on Cranial Base Surgery, Pittsburgh, September 1988.
- (8) Maves, M., Cooper, M., Young, P.H., Benecke, J.: (Poster) 3-D Video Recording in Otolaryngology. American Academy of Otolaryngology and Head-Neck Surgery. New Orleans, September 1989. (Winner of President's Award, Scientific Exhibit)
- (9) Maves, M., Cooper, M., Maas, C., Benecke J., Young, P.H.: (Poster) 3-D Video Imaging in Otolaryngology - Head and Neck Surgery, Tribological Society Meeting - Middle Section - Tulsa, January 1990.
- (10) Young, P.H., Zahm, D.S., Golden, J., Jacquim, M.F.: (Paper) Axon Numbers in Spared Supraorbital Vibrissal Follicle Nerves Following Infraorbital Nerve Sections at Birth. Society for Neuroscience, St. Louis, MO, October 1990

- (11) Young, P.H.: (Paper) A 3-D Video Review of the Microsurgical Anatomy of the Transoral-Transpalatal Approach to the Clivus. North American Skull Base Society Meeting, Orlando, March 1991.
- (12) Young, P.H.: (Paper) New Technique for Closure of the Dura Following Microsurgical Operations at the Base of the Skull in 3-D Video – North American Skull Base Society Meeting, Orlando, March 1991.
- (13) Young, P.H., Zahm, D.S., Beinfeld, M.C., Jacquim, M.F., (Paper) Gastrin (CCK-8) Immunohistochemical Staining Patterns in the Normal and Neonatally Deafferented Trigeminal (V) Brainstem Complex. Society for Neuroscience, Anaheim, October 1992.
- (14) Young, P.A., Young, P.H., McClain, S.L., Young, J.C. (Paper) Computer Assisted Instruction in Basic Neurological Anatomy: Interactive Programs on the Sensory Systems. Society for Neurosciences, Washington, D.C., November 1993.
- (15) Young, P.H., Chiaia, N.L., Bennett-Clark, C.A., Rhoades, R.W., Shortland, P.J. and Jacquin, M.F: (Abstract) Central Projections of Inter-Whisker Primary Afferents Shortly After Birth and In Adulthood Galinium and Single Atom Staining Pattern. Society for Neurosciences, Miami Beach, November 1994.
- (16) Xu, HJ, Lu GM, Jin G.H., MeaoS.L., Wu X.M., Young, P.H. Xu X.M. (Abstract) Inducible Nitric Oxidase synthase Cells After Brain Injury and Transplantation. Society for Neuroscience, New Orleans, October 1997
- (17) Young, P.A., Young, P.H., McClain, S.L., Young J.C. (Paper) Computer Assisted Tutorials for Medical and Allied Health Profession Neuroscience Nurses. Society for Neuroscience, New Orleans, October 1997
- (18) Xu, HJ, Jin GH, Lu XR, Young, PH, Xu X.M. (Abstract) Synergistic Effects of Neurotrophins on the Development of Fetal Forebrain Cholinergic Neurons in Vitro. Society for Neurosciences, Miami, October 1999
- (19) Ojemann J, Young P, Qureshi M, Musau C, Lauryssen C, Oluch-Olunya D, Chicoine M, Labanga P, Smith K (Paper) East Africa Neurosurgery Mission: Lessons form a Four Year Ongoing International Collaboration. American Association of Neurological Surgeons Annual Meeting, San Diego, April 2003
- (20) Ojemann J, Young P, Qureshi M, Musau C, Lauryssen C, Oluch-Olunya D, Chiccoine M, Labanga P, Smith K (Paper) Spinal Surgery in Africa American Association of Neurological Surgeons Meeting San Diego, April 2003
- (21) Piquer J, Young PH, Riesgo P, Llacer JL (Poster) Microvascular Anatomy of the Insular Vessels Turkey Skull Base Society, 2nd Annual Meeting, September, 2004
- (22) Young Jason, Young PH, Anderson PA, Riew KD The Ponticulus Posticus: Implications for C1 Lateral Mass Screw Insertion (1st Place Clinical Award Paper) Cervical Spine Research Society, 32nd Annual Meeting, Boston, December, 2004
- (23) Young, PH Microsurgery of the Lumbar Spine 13th World Congress of Neurological Surgery Marrakech, 2005

- (24) Al-Mefty O, Ture U, Young PH Brain Anatomical Dissections for Use in Neurosurgery Hands-on Cadaver Course Hospital De La Ribera Alzira, Valencia Spain May, 2008
- (25) Young PH, Benzel EC Biomechanics and Anatomical Principles of Spine Surgery Symposium Satellite 2 X111 Congreso Nacional de la Sociedad Espanola de Neurocirugia Valencia, Spain May, 2008

TEACHING RESPONSIBILITIES:

St. Louis University Medical School	
Basic Science Courses:	
Freshman Neuroscience	1981 - 84
Sophomore Neuroscience	1981 - present
AHP Neurosciences	1996 - 04
Department of Community and Family Medicine	
Freshman Preceptor Program	1984 –2002
Sophomore Elective Program	1995 - 2002
Department of Anatomy	
Dissertation Supervisor (Ph.D. Program)	
Gregory J. Bailey, M.D., Ph.D.	
Supervisor of Research - Committee Member	1983 – 89
Center for Anatomical Science and Education	
Adventures in Science and Medicine Program (AIMS)	
Frequent Speaker and consultant	1991 - present
Dissertation Committee (MS Program)	
Michael Ackermann	
The Osteo-ligamentous Structures of the Adult Human Cervical Spine	2004-05
Section of Neurosurgery	
Conference Presentations	1981 – present
Resident training	1981 - present
Microsurgical Laboratory – St. Louis University Medical School	
Hands-on training for residents, fellows, and staff	1984 - 91
Microsurgery Senior Elective – Dept. of Anatomy & Neurosurgery	
Two - six week program	1982 – 2004
Department of Physical Therapy – St. Louis University	
Lectures on Brain and Spinal Cord Injury	2004 - 2007

MAJOR PRESENTATIONS - Invited Speaker:

- (1) 1st Annual Geriatrics Symposium. Transient Ischemic Attacks in the Elderly. St. Louis University, February 1982.
- (2) Early Management of Non-penetrating Trauma. Washington University, St. Louis, April 1983.
- (3) New Techniques in the Management of Vascular Disease and Stroke. John Logan College, 1983.

- (4) Critical Care '84. Shasta-Tehar Nursing Council, January 1984.
- (5) Meningiomas. University of Mississippi, September 1986.
- (6) Lumbar Microdiscectomy. American Academy of Orthopedics - Summer Institute, San Diego, September 1988.
- (7) Anatomy and Approaches to Skull Base - 3-D Video. International Symposium on Cranial Base Surgery, Pittsburgh, September 1988.
- (8) Microdiscectomy for Lumbar Disc. Association of Filipino Physicians of Greater St. Louis and Southern Illinois, September 1988.
- (9) Intracranial Aneurysm. International Symposium on Intracranial Aneurysms. Omaha, Nebraska, March 1989.
- (10) Lumbar Microdiscectomy and Lumbar Laminoplasty for Stenosis. American Academy of Orthopedics-Summer Institute. Chicago, September, 1989
- (11) Use of Midas Rex for Spine Surgery. 2 Corso Di - Aggiornamento in Chirurgia Del Rachide Lombare. Torino, Italy October 1989.
- (12) A 3-D Anatomical Review of Intracranial Aneurysms. American Association of Neuroscience Nurses Annual Meeting, Miami, May 1990.
- (13) Lumbar Microdiscectomy and Laminoplasty for Stenosis. American Academy of Orthopedics - Summer Institute. Monterey, California, September 1990.
- (14) Microsurgery: Base of the Skull - Anatomy, Pathology and Treatment of Tumors along the Clivus - American Association of Neuroscience Nurses, New Orleans, April 1991
- (15) Surgical Stabilization of Spinal Fractures - A Hands on Workshop (I) - St. Louis University, May 1991.
- (16) Anatomy, Pathology, and Surgical Approaches to the Cervical and Lumbar Spine. Hilton Head Neurosurgical Symposium, Hilton Head, South Carolina, August 1991.
- (17) Intra-Operative Video Imaging - A Special Course. Congress of Neurological Surgeons, Orlando, October, 1991.
- (18) Symposium on Skull Base Surgery. Loyola University Medical Center, Chicago, November 1991.
- (19) Neurovascular and Ventricular Anatomy. Kathryn Clarkson Annual Lecture. Presbyterian Hospital, Dallas Texas, December 1991.
- (20) Spinal Fractures Fixation (II) PAWS, April 1992.
- (21) Advanced Neurosurgical Techniques in Cerebrovascular Disease. 1992
- (22) Mayfield-Cering Neuroscience Symposium Cincinnati, May 1992.

- (23) Midas Rex "Hands-On" Workshop. Hamburg, Germany, June 1992.
- (24) Care of the Head-Injured Patient: Advances in Neuroscience Nursing (I). St. Louis University, June 1992.
- (25) Third Annual Spinal Cord Injury Symposium. St. Louis University, September 1992.
- (25) 3-D Technology in Neurosurgery. Society of University Neurosurgeons, St. Louis, May 1993.
- (26) Anatomy of the Ventricular System. Advanced Applications in Endoscopic Neurosurgery (II), PAWS, June 1993.
- (27) Care of the Head-Injured Patient: Advances in Neuroscience Nursing (II). St. Louis University, June 1993.
- (28) Fourth Annual Spinal Cord Injury Symposium. St. Louis University, September 1993.
- (29) Anatomy of the Ventricular System. Advanced Applications in Endoscopic Neurosurgery (III.) PAWS, September 1993.
- (30) (Honored Guest) - Brain Tumors: A Progress Report. First Annual Anne Martel Leveills Neuroscience Nursing Seminar - Rhode Island Hospital, December 1993.
- (31) (Keynote Speaker) - Future Directions for the Neurosurgical Team: Spinal and Vascular Neurosurgery. Albert Einstein College of Medicine and Montefiore Medical Center, New York, December 1993.
- (32) Techniques of Lumbosacral Fixation and Decompression. PAWS January 1994.
- (33) Invited Neurosurgeon- Cervical Disc Herniation. Denver Spine Institute Winter Conference, Breckenridge, Colorado, February 1994.
- (34) Cervical Spinal Fracture Fixation (IV). PAWS, May 1994.
- (35) Nursing Neuroscience Experience: Care of Spine Injured Patient. PAWS, June 1994
- (36) Minimally Invasive Approaches to the Thoracic and Lumbar Spine. Ethicon Endo-Surgery Symposium, Cincinnati, September 1994.
- (37) The Anatomy of Traumatic Brain Injury. 15th Annual Traumatic Brain Injury Conference, Braintree Hospital, Rehab Network, Royal Semeta Hotel, Boston, September 1994.
- (38) Future Directions for the Neurosurgical Team: Tumors of the Nervous System, Albert Einstein College of Medicine, New York City, December, 1994
- (39) Basic Techniques in Lumbar Decompression, Instrumentation, and Stabilization. PAWS, January 1995.
- (40) Advanced Application in Endoscopic Neurosurgery (VI). PAWS February, 1995.

- (41) Midas Rex Institute Hands-On Workshop. PAWS, March, 1995.
- (42) Endoscopy of the Spine - Neurosurgical Frontierism Missouri State Neurosurgical Society Meeting, St. Louis, March, 1995.
- (43) Management of Acute Head Injury. Missouri Academy of Physicians Assistants - St. Mary's Health Center, March, 1995.
- (44) Advanced Applications in Endoscopic Neurosurgery (VIII). PAWS April, 1995.
- (45) Cervical Spine Fracture Fixation (V). PAWS, May, 1995.
- (46) Lumbar Spine Fracture Fixation (V). PAWS May, 1995.
- (47) Advanced Microsurgical Approaches to the Lumbar and Cervical Spine (V). PAWS, June, 1995.
- (48) Neurosurgical Endoscopy - Basic and Advanced Techniques (IX). PAWS, June, 1995.
- (49) Conrio III - Curso Practices Internacional Em Neurocirurgia. Rio de Janeiro, June, 1995.
- (50) Anatomical Foundation for Microsurgical Procedures and Endoscopy. Curso de Pos-Graduacao em Neurocirurgia, Federal University of Sao Paulo, June, 1995.
- (51) Advanced Human Anatomy for Neurologists (1). PAWS, September 1995.
- (52) Neurosurgical Endoscopy: Basic and Advanced Applications (X). PAWS, October 1995.
- (53) (Keynote Speaker) - The Anatomy of Stroke. Stroke Survivors: Recovery & Rehab Conference. Braintree Hospital Rehab Network, Royal Sonesta Hotel, Boston, November, 1995.
- (54) (Keynote Speaker) - The Anatomy of Traumatic Brain Injury. 16th Annual Traumatic Brain Injury Conference, Braintree Hospital Rehab Network, Royal Sonesta Hotel, Boston, November, 1995.
- (55) Cervical and Lumbar Spine for Chiropractors - A Hands-On Workshop. PAWS, November, 1995
- (56) Brainstem Anatomy. 1995 Annual Gateway Chapter Fall Symposium AANN. Airport Marriott, St. Louis, November, 1995.
- (57) 3-D Neuro Anatomy and Practical Applications in the Neurosciences. Department of NSG - Albert Einstein College of Medicine, Grand Hyatt Hotel, New York, December, 1995.
- (58) "How to Teach Anatomy" Symposium. The Society of Neurological Surgeons, Chicago, May 1994
- (59) Anatomy of the Cerebrovasculature and Cranial Nerves. American Association of Neuroscience Nurses - Gateway Chapter. St. Louis, April 1996

- (60) Microsurgery for Spinal Stenosis. Least Invasive Spine Surgery. American Academy of Orthopedic Surgeons, St. Louis, May 1996
- (61) Spinal Fracture Fixation (VI). PAWS, September 1996.
- (62) Advanced Human Neuroanatomy for Neurology and Psychiatry (II), PAWS, October 1996.
- (63) Applied 3-D Neuroanatomy: Cerebrovascular Accident and Traumatic Brain Injury. American Academy of Physical Medicine and Rehabilitation, Chicago, October 1996.
- (64) 3-D Review of Neuroanatomy with Clinical Correlations for Neurologic Disease Process. Neurology Section APTA Annual Meeting, Dallas, February 1997
- (65) Stroke Syndromes. St. Louis Emergency Physicians Association, PAWS, March 1997
- (66) Seventh Annual Neuroscience Symposium: Head and Spinal Cord, PAWS, March 1997.
- (67) Anatomy and Pathology of the Cervical Spine. Gateway Chapter AANN, St. Louis, March 1997.
- (68) Neuroanatomy of Traumatic Brain Injuries. American Association of Neuroscience Nurses, Houston, April 1997.
- (69) Least Invasive Spine Surgery. American Academy of Orthopedic Surgeons, St. Louis, April 1997
- (70) Spinal Fracture Fixation (VII). PAWS, September 1997
- (71) Clinical Neuroanatomy. A Hands-on Workshop for Physicians Nurses, and Other Health Care Professionals. PAWS, October 1997
- (72) Solving the Mysteries of Neurotrauma. American Association of Neuroscience Nursing Clinical Symposium, St. Louis, October 1997
- (73) Neurosurgical Endoscopy - Basic and Advanced Applications. (XI) PAWS, November 1997
- (74) Mid-Winter Medical Conference, Unity Health Systems, Keystone, February 1998
- (75) Clinical Advances in Brain Injury Rehabilitation, Rehabilitation Foundation, Inc., Chicago, March 1998
- (76) Advanced Brain Anatomy for Nurses. AANS Professional Development Course, St. Louis, March 1998
- (77) Advanced Clinical Anatomy of the Brain-Stem and Cranial Nerves, American Association of Neuroscience Nurses Annual Meeting, Chicago, April 1998
- (78) 3-D Clinical Anatomy of Traumatic and Ischemic Brain Injury, Missouri State Medical Association Annual Convention Central Society of Physical Medicine and Rehabilitation, St. Louis, April 1998

- (79) Minimally Invasive Techniques for Lumbar Disc, American Association of Neurological Surgeons Annual Meeting, Philadelphia, April 1998
- (80) Basic and Advanced Applications Neurosurgical Endoscopy (XII) PAWS, May 1998
- (81) Minimally Invasive Spine Surgery: Evolution of Surgical Techniques, American Academy of Orthopedic Surgeons, St. Louis, July 1998
- (82) International Spinal Microsurgery Course. (I) PAWS, September 1998
- (83) Basic and Advanced Application of Neurosurgical Endoscopy. (XIII) PAWS, October 1998
- (84) The Limbic System, the Basal Ganglion, the Spinal Cord - 3D applied Neuroanatomy. AAPM&R (American Academy of Physical Medicine & Rehabilitation) Annual Meeting, Seattle, November 1998
- (85) Spinal Fractures Fixation (VIII) PAWS, St. Louis, January 1999
- (86) Minimally Invasive Spine Surgery AAOS, St. Louis, April 1999
- (87) (Honored Guest) Important Blood Vessels in Brain and Spinal Cord Stroke - a 3-D Perspective. Greater St. Louis Society of Radiologist 56th Annual Carman Lecture, St. Louis, October 1999
- (88) Ischemic and Traumatic Brain Injury 20th Annual Traumatic Brain Injury Conference, Braintree Hospital Rehab Network, Royal Sonesta Hotel, Boston, November 1999
- (89) Spinal Fractures Fixation (IX) PAWS, St. Louis, May 2000
- (90) Minimally Invasive Spine Surgery, American Academy of Orthopedic Surgery, St. Louis, July 2000
- (91) International Spinal Microsurgery Course (II), University Leuven, Brussels, Belgium, October 2000
- (92) Volunteerism as a Physician Women's Liaison Advisory Group SLUMS 2000-2002 Lecture Series, St. Louis, October 2000
- (93) Minimal Invasive Approaches in Lumbar Spine Surgery, Hospital de La Ribera, Valencia, Spain, November 2000
- (94) Cerebral Revascularization, 1st International Hands-On Course, PAWS, St. Louis, January 2001.
- (95) Comprehensive Spine - A Hands-On Review, PAWS, February 2001
- (96) The Microscope of the Future: Zeiss Think Tank, Phoenix, March 2001
- (97) New Approaches to Back and Neck Disease, Sociedad Mexicana de Cirugia Neurologica, Merida, Mexico, March 2001

- (98) New Devices in Endovascular Treatment of Brain Aneurysms and AVMs, Laboratorio de Practica Quirurgica, Hospital de La Ribera, Valencia, Spain, April 2001
- (99) (Keynote Speaker): Stroke Update: A Walk through the Brain, Cardinal Hill Rehab, Lexington, KY, May 2001
- (100) Spinal Microsurgery and Prosthetic Disc Implants, Hospital De La Ribera, Valencia, Spain, November 2001
- (101) Advanced Techniques and Current Concepts in Spine Surgery, American Association of Orthopedic Surgeons, Orthopedic Learning Center, Chicago, November 2001
- (102) 2nd International Workshop on Advanced Technique in Cerebral Revascularization, PAWS, November 2001
- (103) Advanced Techniques for Interbody Fusion of the Lumbar Spine, (II) PAWS, December 2001
- (104) Minimally Invasive Lumbar Microsurgical Techniques, PAWS, February 2002
- (105) Complex Spine: Anatomy and Instrumentation, PAWS, March 2002
- (106) Minimally Invasive Spine Surgery, American Academy of Orthopedic Surgeons, PAWS, April 2002
- (107) Functional Anatomy of the Cerebral Cortex and Cerebrovascular System, American Academy of Neurology Annual Meeting, Denver, April 2002
- (108) Evaluation of Tumor Patients: Herniation Syndrome – 8th International Scientific Conference - Aga Khan Hospital, Nairobi, September 2002
- (109) Cerebral Revascularization: 3rd Annual International Symposium, PAWS, September 2002
- (110) Comprehensive Brain Anatomy and Neurological Assessment, PAWS, October 2002
- (111) Advanced Techniques for Interbody Fusion and Pedicle Screw Fixation, (III) PAWS, November, 2002
- (112) ER :Some Watch it, We Live it. PAWS November, 2002
- (113) Prion disease: In the Food chain, In the Workplace St. Anthony's OR CME Lecture Series, November, 2002
- (114) 15th Annual Contemporary Update on Disorders of the Spine University of South Florida, Whistler, British Columbia, January, 2003
- (115) Neuroanatomia Clínica-Quirúrgica para Enfermería Hospital de la Ribera Valencia, Spain, February, 2003
- (116) Microsurgical Approaches to Intrinsic Brain Tumors- Fiber Dissection Techniques PAWS, February, 2003

- (117) (Keynote Speaker)- Minimally Invasive Techniques in Spinal Decompression 1st John McCulloch Memorial Lecture, Presbyterian/St. Luke's Medical Center Denver, March, 2003
- (118) (Neurosurgery Invited Guest)- The Operating Microscope: Tricks and Traps John McCulloch Memorial DSI Winter Conference, Breckenridge, March, 2003
- (119) Herniation Syndromes: Hyperacute Evaluation. American Academy of Neurology Annual Meeting, Honolulu, April 2003
- (120) Minimally Invasive Spine Surgery American Academy of Orthopedic Surgeons, PAWS, April 2003
- (121) Advanced Techniques in Spinal Decompression and Fixation (X) PAWS, May 2003
- (122) Degenerative Disc Disease in Childhood and Adolescence Pediatric Grand Rounds, Cardinal Glennon Hospital, May 2003
- (123) Operative Techniques with the Master - 20th Anniversary Symposium and Hands-on Course PAWS, June 2003
- (124) Advanced Techniques in Cervical Spine Decompression and Stabilization (V111) PAWS July, 2003
- (125) Cerebral Revascularization- Hands on Course on Microanastomosis and EC-IC bypass Techniques PAWS October, 2003
- (126) Minimally Invasive Spine Surgery: Lumbar Decompression North American Spine Society Annual Meeting, San Diego, October, 2003
- (127) Volunteerism in East Africa Surgery Interest Group and Global Health SLUMS, November, 2003
- (128) *Keynote Speaker* Brain Anatomy and Function for the 21st Century Fourteenth Annual Trauma/Emergency Symposium Lexington, Kentucky November, 2003
- (129) Advanced Techniques in Interbody Fusion and Pedicle Screw Fixation PAWS November, 2003
- (130) ER: Some watch it, we live it. A Hands-on Course PAWS, November, 2003
- (131) Modern Therapeutic Approaches to the Cervical, Thoracic, and Lumbar Spine The Musculoskeletal System in Health and Disease PAWS, December 2003
- (132) 9th Advanced Techniques in Cervical Spine Decompression and Stabilization PAWS January, 2004
- (133) Novel Techniques in Lumbar Spine Surgery – John McCulloch Memorial Annual Lectureship PAWS February, 2004
- (134) Advanced Techniques in Spinal Decompression and Fixation PAWS April, 2004

- (135) 10th Advanced Techniques in Cervical Spine Decompression And Stabilization PAWS August, 2004
- (136) Comprehensive Brain Anatomy and Neurological Assessment PAWS September, 2004
- (137) Excellence in Neurosurgery Keynote Speaker Kenya Neurological Association 25th Anniversary Meeting Nairobi, September, 2004
- (138) Hands-on Course in Spinal Anatomy and Approaches 2nd Annual Neuroscience Scientific Symposium Nairobi, September, 2004
- (139) Common Neurological Pain Syndromes Mombassa Physicians Association Meeting Mombassa, Kenya September 2004
- (140) Neuroanatomía Clínico quirúrgica para Enfermería 11^o Curso Internacional Valencia, Spain October, 2004
- (141) Anatomical Dissections for use in Temporal and Insular Lobe Surgery A Hands-on Course on Neuro-oncology Alzira, Valencia Spain October, 2004
- (142) Current Issues and Techniques in Complex Lumbar Spine Surgery PAWS November, 2004
- (143) Anatomía Quirúrgica Conferencia Y Taller Internacional AmeriMED Hospitals, Cancún December 2004
- (144) 5th Annual International Meeting on Cerebral Revascularization. PAWS, January, 2005
- (145) Volunteer Experiences in Developing Countries 8th Joint Meeting AANS and ASITN, New Orleans, February, 2005
- (146) Subarachnoid Hemorrhage University Of Nairobi- Surgical Grand Rounds, Nairobi, February 2005
- (147) Embryology of the Cortex and White Matter Microsurgical Approaches to Intrinsic Brain Tumors, PAWS February 2005
- (148) Advanced Techniques in Spinal Decompression and Fixation PAWS March, 2005
- (149) Fundamental and Advanced Techniques in Spine Surgery- From Microscope to a Preview of Total Disc Arthroplasty: A Hands-on Course North American Spine Society PAWS, April 2005
- (150) Complex Spine: Anatomy and Instrumentation PAWS May, 2005
- (151) AANS Oral Boards Preparation Course AANS St. Louis, May, 2005
- (152) Microsurgery of the Lumbar Spine 13th World Congress of Neurological Surgery Marrakech, June, 2005
- (153) XV111 Congreso Mexicano De Cirugía Neurológica Merida, Mexico July, 2005

- (154) 11th Advanced Techniques in Cervical Spine Decompression and Stabilization PAWS
August, 2005
- (155) Vertebral Artery Anatomy and Cervical Spine Approaches Department of Orthopedic
Surgery Grand Rounds, Loyola University Med Center, Chicago October, 2005
- (156) 111 Curso Internacional Neuroanatomia Clinicoquirurgica para Enfermeria
Hospital de Ribera Valencia, Spain October, 2005
- (157) Anatomical Dissections for Use in Ventricular System Surgery-- Second Hands-on Course on
Neurooncology Hospital de Ribera Valencia, Spain October, 2005
- (158) Current and Emerging Issues in Complex Lumbar Spine Surgery PAWS
November, 2005
- (159) The Latest Minimally Invasive Techniques for the treatment of Thoracolumbar Spine
disorders- John A McCulloch Mem Workshop PAWS February, 2006
- (160) Microsurgical Approaches to Intrinsic Brain Tumors PAWS March, 2006
- (161) ER: Some Watch it we Live it PAWS March 2006
- (162) 12th Advanced Techniques in Cervical Spine Decompression and Stabilization
PAWS April, 2006
- (163) Advanced Techniques in Spinal Decompression and Fixation PAWS May, 2006
- (164) 13th Advanced Techniques in Cervical Spine Decompression and Stabilization PAWS
September, 2006
- (165) Comprehensive Brain Anatomy and Neurological Assessment PAWS November, 2006
- (166) 1V Curso Internacional Neuroanatomia Clinicoquirurgica para Enfermeria
Hospital de Ribera Valencia, Spain November 2006
- (167) Microsurgical Principles of Cervical Spine Surgery. XVI Congreso de la Sociedad de
Neurocirugia de Levante Valencia, Spain December 2006
- (168) Anatomia Neurooncológica. Curso Practico Valencia, Spain January 2007
- (169) Tractografia Por RNM Cerebral. Correlacion Anatomica. Curso Practico. January, 2007
- (170) Microsurgical Approaches to Intrinsic Brain Tumors PAWS St Louis March, 2007
- (171) Back Pain in St. Louis- Etiology and Long Term Outcomes St. Anthony's Med Staff CME
March, 2007
- (172) Minimally Invasive Spine Surgery American Academy of Orthopedic Surgeons PAWS St
Louis March, 2007
- (173) Emergency Skills Workshop- A Hands-on Cadaver Workshop PAWS St Louis May, 2007

- (174) Advanced Techniques in Cervical Spine Decompression and Stabilization- 14th Annual PAWS, St Louis August, 2007
- (175) Nerve Root Decompression: In Search of Perfect Loyola University Department of Orthopedics Grand Rounds Chicago January, 2008
- (176) Advanced Techniques in Cervical Spine Decompression and Stabilization 1st Hands-on Cadaver Course Cervical Spine Research Society PAWS St Louis January, 2008
- (177) The Latest Minimally Invasive Techniques for the Treatment of Thoracolumbar Spine Disease PAWS St Louis March, 2008
- (178) Extraforamenal Lumbar Area: Anatomy and Surgical Approach X111 Congreso Nacional de la Sociedad Espanol de Neurocirugia Valencia Spain May, 2008
- (179) Complications of Cervical Spine Microsurgery X111 Congreso Nacional de la Sociedad Espanol de Neurocirugia Valencia Spain May, 2008
- (180) Emergency Skills - A Hands-on Cadaver Workshop PAWS St Louis June, 2008
- (181) Neurosurgery in East Africa Johns Hopkins University NSG Grand Rounds Baltimore Aug, 2008
- (182) 15th Advanced Techniques in Cervical Spine Decompression and Stabilization PAWS Aug, 2008
- (183) Cervical Spine Decompression and Stabilization Techniques- 2nd Cervical Spine Research Society PAWS St Louis Jan, 2009
- (184) Neurosurgery in East Africa Global Health Symposium - Forum for International Health and Tropical Medicine Washington University, St Louis May, 2009
- (185) Evidence-based Medicine Applications in EMR SAMC, St Louis January, 2010
- (186) Cervical Spine Decompression and Stabilization Techniques- 3rd Cervical Spine Research Society PAWS St Louis Jan, 2010
- (187) 35th Annual Meeting Egyptian Society of Neurological Surgeons in collaboration with WFNS/AANS/CNS Meeting Chairperson Sharma El-Sheikh, Egypt March, 2010
- (188) Microsurgical Approaches and Anatomy of Anterior Cervical Spine. To Define and Demonstrate Clinically important Factors in Gold standard Approaches to the Cervical Spine 35th Annual Meeting Egyptian Society of Neurological Surgeons in collaboration with Spine 35th Annual Meeting Egyptian Society of Neurological Surgeons in collaboration with WFNS/AANS/CNS Chairperson Sharma El-Sheikh, Egypt March, 2010
- (189) Microsurgical Anatomy of the Lumbar Spine. 35th Annual Meeting Egyptian Society of Neurological Surgeons in collaboration with Neurological Surgeons in collaboration with WFNS/AANS/CNS Chairperson Sharma El-Sheikh, Egypt March, 2010

- (190) The Latest Techniques in Less-Invasive Spine Surgery PAWS St Louis April, 2010
- (191) Microsurgical Approaches to Intrinsic Brain Tumors PAWS St Louis May, 2010
- (192) 17th Advanced Techniques in Cervical Spine Decompression and Stabilization PAWS St. Louis August, 2010
- (193) 1st International Workshop - Telescope (Vitom) Neurosurgery. A Practical Hands-on Instructional Course with Cadaver Specimens, Animal Models and Live Demonstration Surgery Day Laboratorio de Practica Quirurgica Hospital de la Ribera Valencia, Spain November, 2010
- (194) Long Term Experience with Outpatient Anterior Cervical Spine Surgery Denver Spine Institute Winter Meeting Breckenridge, Colorado February, 2011
- (195) The Latest Techniques in Less-Invasive Spine Surgery A Hands-on Cadaver Workshop PAWS St Louis March, 2011
- (196) The Impact of Fiber Dissection for Intrinsic Brain Tumor Surgery A Hands-on Cadaver Workshop PAWS St Louis April, 2011
- (197) 18th Advanced Techniques in Cervical Spine Decompression and Stabilization PAWS August, 2011
- (198) Simple Approaches to Common Musculoskeletal, Joint and Spinal Pain Syndromes SAMC February, 2012
- (199) Embryology of the Human Brain Actualizacion Y Evidencias En Neuro-Oncologia Sociedad Espanola De Neurocirugia/SENEC Alicante, Spain September 2012
- (200) SENEC II Hands-on Course Anatomy and Surgical Strategies in spinal Surgery Alicante, Spain September 2012
- (201) Essentials of Spinal Microsurgery: Hands on Workshop PAWS November, 2012
- (202) 21st Advanced Techniques in Cervical Spine Decompression and Stabilization PAWS August 2014
- (203) Spinal Cord Anatomy and Syndromes Valencia Masters Program in Neurological Medical and Surgical Rehabilitation Valencia, Spain March 2017
- (204) Humanitarian Medicine and Ethics Special Guest Lecture of Neuroscience Chair CEU University, Valencia March 2017
- (205) Microsurgery of the Lumbar and Cervical Spine: Principles and Practice Forum of Cranial, Spinal and Pain Specialists of the ECSA Region Mnazi-Mmoja Neurosurgical Institute Zanzibar, Tanzania March 2017
- (206) 24th Advanced Techniques in Cervical Spine Decompression and Stabilization PAWS August 2017

- (207) Approaches to Spinal Canal Tumors 4th Hands-on Neurosurgery, Neurotrauma and Critical Care Course October, 2017 MOI University of Dar as Salaam, Tanzania
- (208) Microsurgical Approaches to the Lumbar Spine. MMNI-NED Neurosurgical Institute, Zanzibar October 2021
- (209) Neurosurgical Development In East Africa. Visiting Professor Price Institute Dept of Surgery Univ of Louisville, Louisville, Kentucky February, 2023
- (210) Human Brain: Advanced Anatomy and Diagnosis - Hands-On Course for Medical Professionals Mmni-Ned Neurosurgical Institute, Zanzibar November, 2023
- (211) African Spinal Microsurgery Program: Cervical Course Mmni-Ned Neurosurgical Institute, Zanzibar November, 2024

ALLIED HEALTH PRESENTATIONS - Invited Speaker:

- (1) Nerve Compressions of the Upper Limb for Physical Therapists. PAWS, June 1994
- (2) Lumbar Spine and Hip: A Hands-on Workshop for Physical Therapists. PAWS, November, 1994.
- (3) 3-D Science Teaching for High School Students. National Convention of Biology Teacher's, St. Louis, November, 1994.
- (4) Topics of Occupational Medicine for Attorneys. Lawyers Association of St. Louis, PAWS, November, 1995.
- (5) Basic Anatomy - A Summer Hands-On Experience for Science Teachers, (III) PAWS, June 1996
- (6) Anatomy, Pathology, and Surgery of the Spine. Midwest Compensation Attorney Association. St. Louis, October 1996
- (7) Spinal Joint Pain for Chiropractors. PAWS, November 1996.
- (8) Spinal Degenerative Disease Special Presentation to Missouri Division of Worker's Compensation - Administrative Law Judges and Legal Advisors. PAWS, February 1997.
- (9) Cervical and Lumbar Spine Disorders for Chiropractors. PAWS, May 1997.
- (10) Basic Anatomy - A Summer Hands-On Experience for Science Teachers, (IV) PAWS, June 1997
- (11) AIMS Summer Camp Program (V), July 1997
- (12) Basic Anatomy - A Summer Hands-On Experience for Science Teachers, (VI) PAWS, June 1999

- (13) AIMS Summer Camp Program (VI), July 1998
- (14) International Association of Independent Medical Boards - Annual Meeting. Anatomy of the Spine. St. Louis, September 1998
- (15) Practical Anatomy of the Spine and Spine Injuries 26th International Worker's Compensation College of the International Association of Industrial Accident Boards and Commission, Tempe, May 1999
- (16) Spine on Parade Second Annual Worker's Compensation Seminar - Kid's Chance Inc. of Missouri, St. Louis, May 1999
- (17) The Spine on Parade North Carolina Academy of Trial Lawyers, 21st Annual Convention Litchfield, S.C., June 1999
- (18) AIMS Summer Camp Program (VII), July 1999
- (19) The Spine on Parade Governor's Conference on Worker's Compensation and Occupational Safety, Big Sky Montana, September 1999
- (20) The Spine on Parade. National Organization of Social Security Claimants' Representatives, New Orleans, November 1999.
- (21) The Spine on Parade. Basic Facts for Trial Preparation, Georgia Continuing Legal Education, Social Security Seminar, Atlanta March 2000.
- (22) The Spine on Parade 27th International Worker's Compensation College of the International Association of Industrial Accident Boards and Commission, Phoenix, May, 2000
- (23) The Human Brain: Care and Maintenance North Carolina Academy of Trial Lawyers, Sunset Beach North Carolina, June 2000
- (24) Basic Human Anatomy for Teachers (VII), 2000, PAWS June 2000
- (25) AIMS Summer Camp Program (VIII) PAWS, July 2000
- (26) The Spine on Parade Seattle, October 2000 National Organization of Social Security Claimants Representatives
- (27) Anatomy of the Lumbar Spine Clinical Management of the Client with Low Back Pain for Physical Therapists, PAWS, October 2000
- (28) The Human Brain, National Science Teacher's Association Annual Meeting, St. Louis, March 2001
- (29) The Human Brain - Care and Maintenance, National Organization of Social Security Claimants Representatives, Washington, D.C., April 2001
- (30) The Spine on Parade, 28th International Worker's Compensation College of the International Association of Industrial Accident Boards and Commission, Phoenix, May 2001

- (31) Basic Human Anatomy for Teachers (VIII), PAWS, June 2001
- (32) Adventures in Medicine and Science (IX) - Summer Workshop, PAWS, July 2001
- (33) Review of Spinal Anatomy, Clinical Syndromes, & Operative Approaches, HealthSouth, PAWS, October 2001
- (34) Anatomy of the Cerebral Cortex and Motor System, Diplomate Chiropractic Neurology Program, Logan College of Chiropractic, St. Louis, December 2001
- (35) The Spine on Parade – Care and Maintenance of the Human Brain, Arizona State Bar Association Meeting, Tucson, June 2002
- (36) Basic Human Anatomy for Teachers (IX), PAWS, June 2002
- (37) Adventures in Medicine and Science (X) – Summer Workshop, PAWS, July 2002
- (38) The Spine on Parade – Academy of Trial Lawyers. Sunset Beach, North Carolina, June 2003
- (39) Adventures in Medicine and Science (X1), Summer Workshop, PAWS, July 2003
- (40) Panel on Applications of Autochart into Medical Practice – Misys Annual Meeting, Ft. Lauderdale, Florida July, 2003
- (41) The Spine on Parade- Care and Maintenance of the Human Brain, State Bar of Arizona Annual Worker's Compensation Meeting, Prescott, Arizona, September, 2003
- (42) Comprehensive Brain Anatomy and Neurological Assessment PAWS, October, 2003
- (43) The Spine on Parade. State Bar of Arizona. Phoenix, Arizona February, 2004
- (44) Complex Spine: Anatomy and Instrumentation for Nurses and PAs PAWS April, 2004
- (45) Adventures in Medicine and Science (X11) Summer Workshop, PAWS, July, 2004
- (46) The Spine on Parade Governor's Conference on Worker's Compensation and Occupational Safety, Big Sky, Montana, September, 2004
- (47) Strategies for Examination and Management of Cervical Derangements with Peripheral Symptoms PAWS, January, 2005
- (48) Neuroanatomy of Motor Function: Anatomical pearls, neurological assessment, clinical syndromes American Physical Therapy Association- Combined Sections Meeting, New Orleans, February 2005
- (49) Traveling down the Spine: Structure and Disorders American Bar Association Transportation Mega Conference New Orleans, March, 2005
- (50) A Fascinating Exploration of the Spine National Association of Social Security Claimants Representatives Washington, DC May 2005

- (51) Adventures in Medicine and Science (X111) Summer Workshop, PAWS, July, 2005
- (52) Comprehensive Brain Anatomy and Neurological Assessment PAWS
November, 2005
- (53) Brain Trauma- Neurological Examination and Herniation Syndromes St. Anthony's Medical
Center Trauma Department December, 2005
- (54) Complex Spine: Anatomy and Instrumentation PAWS May, 2006
- (55) The Brain Matters- Anatomy of Stroke St. Anthony's Medical Center Stroke Program
May, 2006
- (56) Adventures in Medicine and Science (X1V) Summer Workshop, PAWS, July, 2006
- (57) A View into the Spine Primerus Society Annual Meeting Palm Springs October, 2006
- (58) A Voyage into the Human Brain American Bar Assoc Transportation Mega Conference
V111 New Orleans, March, 2007
- (59) Back and Neck Pain: Neurosurgical Perspectives Maryville University Physical Therapy
Class of 2007 April, 2007
- (60) Adventures in Medicine and Science (XV) Summer Workshop, PAWS, July, 2007
- (61) Stroke Symposium: Science, Sexuality, Surviving Cardinal Hill Rehab Lexington,
September, 2007
- (62) Complex Spine: Anatomy and Instrumentation PAWS September, 2007
- (63) Comprehensive Brain Anatomy and Neurological Assessment PAWS November, 2007
- (64) Adventures in Medicine and Science (XV1) Summer Workshop, PAWS, June, 2008
- (65) Novel Approaches to the Spine Binder and Binder Worker's Comp Seminar Long Island,
New York September, 2008
- (66) A Fascinating Exploration of the Spine NOSSCR (National Social Security Disability Law
Conference) National Meeting Los Angeles October, 2008
- (67) An Exploration of the Spine Drew, Ecki, and Franham Client Worker's Comp Seminar
Georgia Aquarium Atlanta March, 2009
- (68) Forum on Volunteerism Washington University St Louis May, 2009
- (69) Adventures in Medicine and Science (XV11) Summer Workshop, PAWS, July, 2009
- (70) Brain Anatomy related to TBI, Stroke and MS: Current Concepts Braintree Rehabilitation
Hospital 30th Annual Neurorehabilitation Conference Boston, October 2009

- (71) An Innovative Look at the Spine Binder and Binder Worker's Comp Seminar Manhattan, New York February, 2010
- (72) A Fascinating Exploration of the Spine NOSSCR (National Social Security Disability Law Conference) National Meeting Chicago, Ill September, 2010
- (73) V Curso Internacional de Neuroanatomia Clinico- Quirurgica para Enfermeria Hospital de Ribera Valencia, Spain November, 2010
- (74) Concussions in Soccer Rehab Network St. Louis October 2012
- (75) Brain Anatomy and Abnormalities NOSSCR (National Social Security Disability Law Conference) National Meeting Las Vegas October, 2014
- (76) Spine Anatomy and Abnormalities NOSSCR (National Social Security Disability Law Conference) National Meeting Las Vegas October, 2014
- (77) Spinal Mal-alignment and decision-making Best Doctors Global Grand Rounds Web ex March, 2015
- (78) Exploration of the Spine: Anatomy and Abnormalities and The Human Brain: Anatomy and Abnormalities State Bar of Arizona Phoenix, October, 2015
- (79) Anatomical Review of the Cervical and Lumbar Spine SSM Physical Therapy PAWS March, 2017
- (80) Brain Anatomy and Abnormalities NOSSCR (National Social Security Disability Law Conference) National Meeting Scottsdale, September 2017
- (81) Spine Anatomy and Abnormalities NOSSCR (National Social Security Disability Law Conference) National Meeting Scottsdale, September 2017
- (82) Brain Anatomy and Abnormalities NOSSCR (National Social Security Disability Law Conference) National Meeting New Orleans, September 2019
- (83) Spine Anatomy and Abnormalities NOSSCR (National Social Security Disability Law Conference) National Meeting New Orleans, September 2019
- (84). Operative Visualization and AEOS. Aesculop National Sales Meeting. San Antonio. February 2023
- (85). Human Brain Awareness. Honors Club, Woodlands Christian Academy ,Houston April, 2021

Workshop Organizer/Director/ and Speaker:

- (1) (Course Organizer, Director and Speaker) Review Course in Common Neurological Problems - Pain St. Louis University, St. Louis, November, 1982.

- (2) (Course Organizer, Co-Director, and Speaker) - 5th Annual Neurological Nursing Symposium. Shasta-Sierra Neurological Nursing Society, November 1983.
- (3) (Course Co-Director and Speaker) - Neuroscience Update - Current Status Neurosurgery - Neurology. Mercy Medical Center, Redding California, January 1984.
- (4) (Course Organizer and Director) - Microneurosurgery at the Base of the Brain Workshop (I) San Francisco Research Institute, April 1984.
- (5) (Course Organizer and Director) - Microneurosurgery at the Base of the Brain Workshop (II) Bellevue Hospital, New York, September 1984.
- (6) (Course Organizer and Director) - Microneurosurgery at the Base of the Brain Workshop (III) Charter Hospital, St. Louis, April 1985.
- (7) (Course Organizer and Co-Director) – Microneurosurgery Workshop. Cook County Graduate School of Medicine, Chicago, May 1987.
- (8) (Course Organizer and Director) - Aneurysm Clipping Techniques. St. Louis University, March 1988.
- (9) (Course Organizer and Co-Director) - Neurosurgery Practical Workshop - Cook County Graduate School of Medicine, Chicago, June 1988.
- (10) (Course Organizer, Director and Speaker) - Microsurgery of the Lumbar and Cervical Spine (I) St. Louis University, October 1988.
- (11) (Course Organizer, Director and Speaker) - Microsurgery of the Lumbar and Cervical Spine (II) St. Louis University, April 1989.
- (12) (Course Organizer and Director) - Neurosurgery Workshop – Brain and Spine (I) - St. Louis University, June 1989.
- (13) (Course Organizer, Director and Speaker) - Microsurgery of the Lumbar and Cervical Spine (III) St. Louis University, November 1989.
- (14) (Course Organizer and Director) - Ugo Fisch - Microsurgery at the Cranial Base (I) St. Louis University, November 1989.
- (15) (Course Organizer, Director and Speaker) - Microsurgery of the Lumbar and Cervical Spine (IV) St. Louis University, April 1990.
- (16) (Course Organizer, Director and Speaker) - Nursing Microsurgery Workshop (I) St. Louis University, April 1990.
- (17) (Course Organizer and Director) - Neurosurgery Workshop - Brain and Spine (II) St. Louis University, June 1990
- (18) (Course Organizer, Director and Speaker) - Microsurgery of the Lumbar and Cervical Spine (V) St. Louis University, November 1990.

- (19) (Course Organizer, Director and Speaker) - Nursing Microsurgery Workshop (II) St. Louis University, November 1990.
- (20) (Course Organizer and Co-Director) - Meningioma Workshop St. Louis University, November 1990.
- (21) (Course Organizer and Co-Director) - Microsurgery of the Cerebello-Pontine Angle and Cranial Base, St. Louis University, February 1991.
- (22) (Course Organizer, Co-Director and Speaker) – Advanced Microsurgery of the Lumbar and Cervical Spine (I) St. Louis University, April 1991.
- (23) (Course Organizer and Director) - Real Time Surgical Microdissection Exposure in 3-D - American Association of Neurological Surgery, New Orleans, April 1991.
- (24) (Course Organizer and Co-Director) - Neurosurgery Workshop - Brain, Spine, Peripheral Nerve (III) St. Louis University, June 1991.
- (25) (Course Organizer, Director and Speaker) - 2nd Nursing Microsurgery Workshop PAWS, September 1991.
- (26) (Course Organizer, Director and Speaker) - Microsurgery of the Lumbar and Cervical Spine (VI) PAWS, October 1991.
- (27) (Course Organizer) - Surgical Approaches to the Skull Base (II) PAWS, November 1991.
- (28) (Course Organizer) - AANS Professional Development Workshop: Lumbar Spine, Segmental Stabilization. PAWS, November 1991.
- (29) (Course Organizer) - AANS - Microsurgery of the Brain and Skull Base. PAWS, February 1992.
- (30) (Course Co-Director and Speaker) - Advanced Microsurgery of the Lumbar and Cervical Spine (II) PAWS, May 1992.
- (31) (Course Organizer and Co-Director) - Neurosurgery Workshop: Peripheral Nerve Spine - Microsurgery and Stabilization, Microsurgery of the Brain (IV) PAWS, June 1992.
- (32) (Course Organizer) - Care of the Head-Injured Patient: Advances in Neuroscience Nursing (I). St. Louis University, June 1992.
- (33) (Course Organizer, Director and Speaker) - Microsurgery of the Lumbar and Cervical Spine (VII) PAWS, September 1992.
- (34) (Course Organizer) - Third Annual Spinal Cord Injury Symposium. St. Louis University, September 1992.
- (35) (Course Co-Director) - Surgical approaches to the Skull Base (III) PAWS, November 1992
- (36) (Course Organizer) - 2nd Ugo Fisch Microsurgery of the Cranial Base. PAWS, November 1992.

- (37) (Course Organizer, Director and Speaker) - Neurosurgery Hands-On Workshop for OR Personnel. November 1992.
- (38) (Course Co-Director and Speaker) - Thoracolumbar Spine Surgery. PAWS, January 1993.
- (39) (Course Co-Director) - Advanced Applications in Endoscopic Neurosurgery (I) March 1993.
- (40) (Course Co-Director) - Microsurgery of the Brain, AANS. PAWS, March 1993.
- (41) (Course Organizer, Director and Speaker) - Cervical Spinal Fracture Fixation (III) PAWS, March 1993.
- (42) (Course Organizer, Director and Speaker) - OR Personnel: Thoracolumbar Fracture Fixation. March 1993.
- (43) (Course Organizer) - Care of the Head Injured Patient: Advances in Neuroscience Nursing (II). St. Louis University, June 1993.
- (44) (Course Organizer) - Fourth Annual Spinal Cord Injury Symposium. St. Louis University, September 1993.
- (45) (Course Co-Director and Speaker) - Advanced Microsurgery of the Lumbar and Cervical Spine (III) PAWS, April 1993.
- (46) (Course Organizer, Director and Speaker) - Hands-On Workshop for Physical Therapists. PAWS, May 1993.
- (47) (Course Organizer and Co-Director) - Neurosurgery Workshop (V) Peripheral Nerve, Spine - Microsurgery and Stabilization, Microsurgery of the Brain. PAWS, June 1993.
- (48) (Course Organizer, Director and Speaker) - Advances in Medicine and Science (AIMS) Bone and Joint, Heart, Brain, Sports Medicine (I) PAWS, July 1993.
- (49) (Course Organizer, Director and Speaker) - Microsurgery of the Lumbar and Cervical Spine (VIII) PAWS, September 1993.
- (50) (Course Organizer, Director and Speaker) - Advanced Neurosurgery Workshop for Operating room Personnel and Physician Assistants (II) PAWS, November 1993.
- (51) (Course Organizer) - Advanced Applications in Endoscopic Neurosurgery (IV) PAWS, November 1993.
- (52) (Course Organizer, Director and Speaker) - Cervical and Lumbar Spine Disorders: A Hands-On Workshop for Chiropractors. PAWS, February 1994.
- (53) (Course Organizer and Director) - Advanced Applications in Endoscopic Neurosurgery (V) PAWS, March 1994
- (54) (Course Co-Director and Speaker) - Advanced Microsurgery of the Lumbar and Cervical Spine (IV) PAWS, April 1994.

- (55) (Course Organizer) - Nursing Neuroscience Experience: Care of Spine Injured Patient. PAWS, June 1994.
- (56) (Course Organizer, Co-Director and Speaker) – Neurosurgery Workshops (VI) Part I - Neuroendoscopy. Part II - Peripheral Nerve. Part III - Spine: Microsurgery and Stabilization. Part IV - Microsurgery of the Brain. PAWS, June 1994.
- (57) (Course Organizer) - Nursing Neuroscience Experience: Care of Spine Injured Patient. PAWS, June 1994.
- (58) (Course Organizer, Director and Speaker) - Anatomy for High School Science Teachers (I) PAWS, June 1994.
- (59) (Course Organizer, Director and Speaker) - AIMS Summer Camp Program (II) - Bone & Joint, Heart, Brain, Sports Medicine. PAWS, July 1994.
- (60) (Course Organizer, Director and Speaker) - Practical Spine Anatomy for Nurses and Physician's Assistants. PAWS, September 1994.
- (61) (Course Organizer, Director and Speaker) - Microsurgery of the Lumbar and Cervical Spine (IX) PAWS, October 1994.
- (62) (Course Organizer and Speaker) - Advanced Applications in Endoscopic Neurosurgery (V) PAWS, October 1994.
- (63) (Course Organizer, Director and Speaker) - Practical Brain Anatomy for Nurses. PAWS, November, 1994.
- (64) (Course Organizer, Director, and Speaker) - Advanced Human Neuroanatomy (I) PAWS, February, 1995
- (66) (Course Organizer and Speaker) - Basic Human Anatomy - A Summer Hands-On Experience for Heart and Human Anatomy for Science Teachers (II) PAWS, June, 1995.
- (67) (Course Organizer and Speaker) - AIMS Summer Camp Program (III) Bone and Joint, Heart, Digestive System and Nutrition, Brain, Sports Medicine. PAWS, July, 1995
- (68) (Course Organizer, Director, and Speaker) - Practical Brain Anatomy for Nurses, PA's and Other Health Care Professionals. PAWS, September, 1995.
- (69) (Course Organizer, Director, and Speaker) - Practical Spine Anatomy for Nurses, Physician Assistants, & Other Health Care Professionals, PAWS, November 1995
- (70) (Course Organizer, Director, and Speaker) - Anatomy for Microsurgery and Endoscopy of the Lumbar and Cervical Spine (I) PAWS, November, 1995
- (71) (Course Organizer, Director, and Speaker) - Advanced Human Neuroanatomy (II) PAWS, February 1996
- (72) (Course Laboratory Assistant) - Microsurgery of the Brain, Cranial Nerves and Skull Base-Hands On. AANS, St. Louis, March 1996

- (73) (Course Organizer, Honored Guest, and Invited Speaker) - AIMS Summer Camp Program (IV) Heart/Brain, PAWS, July 1996
- (74) (Course Organizer, Director, and Speaker) - Anatomy for Microsurgery and Endoscopy of the Lumbar and Cervical Spine (II) PAWS, October 1996.
- (75) (Course Organizer, Director, and Speaker) - Practical Spine Anatomy. PAWS, October 1996
- (76) (Course Organizer, Director, and Speaker) - Advanced Techniques in Cervical Spine Decompression and Stabilization. PAWS, January 1997.
- (77) (Course Organizer, Director, and Speaker) - Advanced Hands-on Neuroanatomy III. PAWS, March 1997.
- (78) (Course Organizer, Director, and Speaker) - Anatomy for Microsurgery and Endoscopy of the Lumbar and Cervical Spine III. PAWS, September 1997.
- (79) (Course Organizer, Director, and Speaker) - Advanced Techniques in Cervical Spine Decompression and Stabilization (II). PAWS, August 1998
- (80) (Course Organizer, Director, and Speaker) - Hands-on Course in Clinical Neuroanatomy, Neurology, and Neurosurgery Brain - Spine - Peripheral Nerve (I). September 1998
- (81) (Course Organizer, Director, and Speaker) - Advanced Techniques in Cervical Spine Decompression and Stabilization (III), PAWS, August 1999
- (82) (Course Organizer, Director, and Speaker) - Hands-on Review Course In Neurological Anatomy, Clinical Neurology, and Surgery (II), PAWS, October 1999
- (83) (Course Organizer, Directory, and Speaker) Neurosurgical and Endoscopic Approaches to the Degenerative Spine: Year 200 Essential, PAWS, February 2000
- (84) (Course Organizer and Speaker) Comprehensive Spine for the New Millennium: A Hand-On Review, PAWS, February 2000
- (85) (Course Organizer, Director, and Speaker) - Cervical Spine Decompression and Stabilization, (IV) PAWS, August 2000
- (86) (Course Organizer, Director, and Speaker) Neurological Anatomy and Operative Approaches to the Brain, Spine, and Peripheral Nerves, PAWS, September 2000
- (87) (Course Organizer, Director, and Speaker) Comprehensive Neurological Anatomy for Nurses, PAWS, September 2000
- (88) (Course Organizer) Interbody Fusion of the Degenerative Spine, PAWS, November 2000
- (89) (Course Organizer, Director, and Speaker) Microsurgical and Endoscopic Approaches to the Degenerative Spine, PAWS, February 2001
- (90) (Course Organizer) Microsurgery of Aneurysms – Recent Advances, PAWS, March 2001

- (91) (Course Organizer and Speaker) Cervical Spine Decompression and Stabilization, (V) PAWS, July 2001
- (92) (Course Co-Director and Speaker) - Advanced techniques in Decompression and Stabilization of the Cervical Spine, (VI) PAWS – July 2002
- (93) (Course Organizer, Co-Director and Speaker) - Advanced Neuroanatomy and Whole Brain Dissection. PAWS – October 2002
- (94). (Course Co-Director) Advanced Techniques in Cervical Spine Decompression and Stabilization (V11), PAWS, January 2003
- (95) (Course Director) Anatomy for Approaches to the Cervical and Thoracolumbar Spine. PAWS, January 2005
- (96). (Course Organizer, Director and Speaker) Brain Dissection Course Nairobi August 2009
- (97) (Course Organizer and Speaker) Second AFNS Hands-on Course for Young Neurosurgeons of East Central and Southern Africa Region Muhimbili Orthopedic and Neurological Institute Dar-es Salaam, Tanzania January, 2011
- (98) (Course Organizer and Speaker) African Spinal Microsurgery Program. NED Foundation Project Mnaji-Mnoja Institute Zanzibar, Tanzania. October, 2021
- (99) (Course Organizer and Speaker) Degenerative Disc and Joint Diseases Update on Least Invasive Approaches to Treatment Motion Orthopedics and Spine St. Louis December, 2021
- (100) (Course Organizer and Speaker) Human Brain: Advanced Anatomy and Diagnosis NED Foundation Project Mnaji-Mnoja Institute Zanzibar, Tanzania. November, 2023

COMMUNITY SERVICE:

St. Raphael Parish School	
Science Instructor	1972 - 74
St. Dominic Savio Parish	
CYC Coach	
(Baseball, Softball, Soccer, Basketball, Track & Field)	1970 - 98
School Advisory Board	1993 - 96
Science Lab Instructor	1994 - 98
Sex Education Instructor	1992 - 93
Alumni Association - Founder and Director	1996 - 98
Missouri Doctors for Life	1980 - present
Cor Jesu Academy	
Educational Advisory Board	1990 - 94
Freshman Basketball Coach	1991 - 94
Long-Range Planning Committee - Athletics	1999 - 2003
National Federation Interscholastic Coaches, Education Program	1992
Knights of Columbus - DuBourg Council 4099	1990 - 99
Head First Foundation (Board of Directors)	1990 - 99
Vitae Society	1990 - present

St. Louis Zoo Friends Association	1991 - 97
St. Louis Science Center - Member	1991 - 02
Friends of St. Louis Art Museum	1992 - 97
St. Louis University High School Student Life Task Force	1992 - 93
Health Care for the Homeless Coalition of Greater St. Louis	1993 - 00
Adventures in Science and Medicine Program - Advisory Board	1993 - 02
Pucks of Power - Spinal Cord Injury Foundation, (Board of Directors)	1995 - 01
American Croatian Relief Project Volunteer	1995 - 00
SLUH - Jesuit International Volunteer – Belize City, Belize	January 1997
University of Nairobi - Kenyatta National Hospital Visiting Professor	February 1999
Four Homes of Mercy - Consultant West Bank – Jerusalem, Israel	March 2000
East Africa Neurosurgery Mission University of Nairobi - Kenyatta National Hospital, Aga Khan Hospital, Nairobi Hospital - Nairobi Visiting Professor	May 2000
East Africa Neurosurgery Mission University of Nairobi - Kenyatta National Hospital, Aga Khan Hospital - Nairobi - Mombasa, Visiting Professor	September 2001
St. Louis Public Schools, Key Communicators Network Affton School District- Science Lectures	October 2001 – 2003 - 07
Basketball Coach – Junior High Program	2002 - 04
East Africa Neurosurgery Mission University of Nairobi – Kenyatta National Hospital Aga Khan Hospital, Nairobi Hospital - Nairobi Aga Khan, Coast General Hospital – Mombassa Visiting Professor	September 2002
East Africa Neurosurgery Mission University of Nairobi- Kenyatta National Hospital Aga Khan Hospital- Nairobi Aga Khan, Coast General Hospital- Mombassa Visiting Professor	September 2004
East Africa Neurosurgery Mission University of Nairobi- Kenyatta National Hospital Aga Khan Hospital- Nairobi Visiting Professor	February 2005
Seven Holy Founders Catholic School Science Education Program Instructor Hands-on Small Animal Dissections	2005-07
Neurosurgery Training Program of East, Central and South Africa Development Coordinator Volunteer	2004-2006 January, 2006
East Africa Neurosurgery Mission University of Nairobi-Kenyatta National Hospital Aga Khan/coast General Hospital- Mombasa Muhimbili University- Orthopedic/NSG Institute- Dar as Salaam	August, 2007

East Africa Neurosurgery Mission	
University of Nairobi-Kenyatta National Hospital	
Aga Khan/coast General Hospital- Mombasa	
Visiting Professor	
1 st WFNS- Africa Brain Dissection Course Director	August, 2009
East Africa Neurosurgery Mission Zanzibar General Hospital-	
Tanzania	January, 2011
Affton School District	
CAPS Program	2011- present
Brain Awareness Presentations to Jr High, High School, Teachers, Parents and Counselors	
Multiple Presentations	2022- present