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Clustering of Cases of IDDM 2 is Consistent with Clustering a Autoantibody Positive Individu

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Abstract: *Background:* Previous studies demonization with the hemophilus, pertussis and cor similar clustering of cases of IDDM occurred : dence of IDDM from hepatitis B immunized a ters occurring after hepatitis B immunization. I cidence of IDDM occurred between 24 to 48 n dren. *Conclusion:* Several different vaccines a cases of IDDM that occur about 24 to 48 mon bly the triggering of a progressive autoimmune

Keywords: Type 1 diabetes mellitus, vaccines, hepa

BACKGROUND

Data from a large prospective clinical trial pro hemophilus b vaccine causes type 1, insulin depend betes (IDDM) [1]. Clusters of cases of vaccine IDDM occurred starting 36 months after immu Clusters of IDDM have also occurred 24 to 48 mo: lowing vaccination with several other vaccines inclu pertussis and MMR vaccine [2]. The hepatitis b vac been linked to a rise in IDDM in New Zealand [3] tempt was made to determine if an rise of IDDM occ other areas following the introduction of the hepatiti cine and if the rise was consistent with the cluster with other vaccines. A cohort analysis was perfo measure the incidence of in IDDM in vaccinated an cinated cohorts in Italy. The incidence of IDDM ir was compared before and after hepatitis B immuniz follow up study was also performed on new data fr Zealand.

METHODS

A cohort analysis was performed to measure 1 dence of IDDM in hepatitis B vaccinated and unva cohorts from Central Italy. Mandatory hepatitis B im tion was implemented in Italy in 1991 and required dren to receive the hepatitis B vaccine when they months old or 12 years of age. No catch-up progr implemented for children between these time fram dren were given recombinant hepatitis B vaccine. Im tion data on the cohorts was provided by Osservatori miologico in Rome. All cases of IDDM occurring in under age 15 have been recorded in a prospective

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