Abstract

It was studied the individual and collective kinetics of the dynamics of the immune response and their categories using like a model the response of antibodies against the antigen of surface of the virus producing of the hepatitis B. In students of Medicine 20 years old average, a permanency of antibodies of 168 UI/L was observed, after 3 years of a complete outline of immunization, an increment of 757 UI/L in 14 days post booster, what allowed to study the index by memory / durability that was 5.5 and to know the increment in UI/L per day (54 UI/day) and for antigen micro-gramme: 37.8 UI/¿g. It was considered, starting from permanency of antibodies to the 3 years of vaccination, the intensity of the response post schedule that was 336UI/L, equally starting from the values reached in the memory, 925 UI/L, we prognosis a seroprotection up to 18 years or more, that is to say up to the 2023. We obtained preliminary results of use of the kinetic pattern for immuneefficiency study.

Keywords