Anti Glutamic Acid Decarboxylase/Tyrosine Phosphatase (Anti GAD/IA2) Detection in Children Type I Diabetes Mellitus

Abstrak:

Our study evaluated anti GAD/IA2 levels in Type 1 DM patients in Dr. Soetomo Hospital Surabaya. We conducted cross sectional study, involving Type 1 DM patients that already been established (C-Peptide below normal). Patient's age range was from 2.8 years old to 17 years old, so they were regarded as children. We used anti GAD/IA2 reagents from Euroimmun which had basic principal EIA. Twelve patients was involved in this study. The average level of anti GAD/IA2 was 210.37 IU/mL. The average level of anti GAD/IA2 was higher in female than male patients (227.38 IU/mL dan 162 IU/mL). All patients had anti GAD/IA2. This examination can be useful for screening one who has high risk in developing type 1A DM, especially first degree relatives.

Keyword:

Anti GAD/IA2, type I DM