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Abstrak

ABSTRAK

The objective of this study was to determine whether total serum IgE levels are elevated in workers with trimellitic anhydride-induced asthma as compared with anhydride-exposed workers without an occupational immunologic syndrome. Sera from 12 highly exposed workers with trimellitic anhydride-induced asthma, and from 31 similarly exposed workers without occupational immunologic disease, were assayed for total immunoglobulin E (IgE) levels by Total IgE FAST analysis. The mean total IgE levels were 176.74 ng/mL and 34.55 ng/mL respectively. The difference between the two groups was statistically significant, but considerable overlap of IgE levels between groups was seen. In conclusion, although mean total IgE levels are significantly different between TMA-exposed workers with or without occupational asthma, the significant amount of overlap and poor sensitivity of the test preclude the use of this assay in the individual evaluation of these workers.