Seroprevalence of Human Cytomegalovirus in Pregnant Women in the Asir Region, Kingdom of Saudi Arabia

Abstract:
Background: Human cytomegalovirus (HCMV) infection spreads easily by interpersonal contact. ***Objective:*** This study determined the prevalence of seropositivity of cytomegalovirus immunoglobulin G (IgG) in the Asir Region, Kingdom of Saudi Arabia. ***Methods:*** The study evaluated the seropositivity for cytomegalovirus-specific IgG in 460 females. Collected samples were processed and tested using enzyme-linked immunosorbent assay and specific HCMV IgG. ***Results:*** The study showed that all the respondents aged 15–20 years were seropositive for the HCMV. HCMV seropositive status was recorded in 99.2% of the older patients (>40 years of age). In the remaining age groups, the rate of seropositivity ranged from 95.7 (age range 20–25 years) to 98.9% (age range 30 years). ***Conclusions:*** In all age groups of females tested, the prevalence of seropositive for HCMV was high, i.e., in the range of 95.7–100%.