

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

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Abstract

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%.

Biography:

Mohammed Almaghrabi is a currently working as Radiation Oncologist at King Abdullah Medical City, Saudi Arabia. He is leading stereotactic radiosurgery/ stereotactic body radiation therapy task groups at the same hospital. He was Head of Radiation Oncology department at Prince Faisal Cancer Centre, Saudi Arabia. He has his research experience from University of Ottawa Canada and Nantes University, France. He has been a recipient of many awards and grants, Reviewer for British Journal of Radiology and CARO annual scientific meeting. His research experience includes various programs, contributions and participation in different countries for diverse fields of study..

Publication of speakers:

1. Seroprevalence of Human Cytomegalovirus in Pregnant Women in the Asir Region, Kingdom of Saudi Arabia, 2020/03/24
2. Role of antibodies in confining cytomegalovirus after reactivation from latency: three decades' résumé, 2019/08/01

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