

Review of: "[Review Article] Cytomegalovirus Infection"

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Potential competing interests: No potential competing interests to declare.

This is a review article about CMV. It includes history, virus structure, transmission, pathogenesis, clinical presentations, diagnosis, treatment and prevention. It was intended to cover a topic so broad that each of them could be a separate article, which resulted in a very superficial article. The target audience and purpose are not clearly stated.

Some sentences may be problematic due to missing information. Examples are presented below:

"Recognition of CMV by PCR technique in saliva and urine samples is favored for diagnostic procedures": This is a misleading sentence since it is only appropriate for congenital CMV infection in the first weeks of newborn period.

"Detection of CMV in urine and/or saliva is extremely sensitive for the recognition of congenital CMV infection": Timing is missing

"IgM must be present for a diagnosis to be made, and urine and saliva samples with low IgG avidity are utilized to identify acute maternal HCMV infection": IgG avidity test is available only for serum samples. Diagnostic issues for reactivation, reinfection are missing.

"Blood products (transfusions, organ transplants), saliva, urine, breastfeeding, semen, perinatally, vertical transmission (transplacental), and sexual transmission are just a few of the ways that CMV can be transmitted.": This sentence covers all routes of transmission.