

# Review of: "[Review Article] Cytomegalovirus Infection"

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Potential competing interests: No potential competing interests to declare.

Cytomegalovirus belongs to the Orthoherpesviridae family and the subfamily Betaherpesvirinae (Note that there is no hyphen in the subfamily spelling - <https://ictv.global/taxonomy>).

You wrote "...and is rather common in adulthood(do Carmo et al., 2014)" - Your thoughts are not clearly written here. Consider re-writing. People of all ages could be infected, in fact a large proportion of infection occur at infancy and by age 40, over half of adults would have been infected.

You wrote: "...236 kb (in length), which is regarded as the longest genome when compared with other viruses". It is more accurate to say the genome is the largest when compared with other human herpesviruses (Charles et al., 2023 - <https://www.pnas.org/doi/10.1073/pnas.2221797120>).

You wrote: "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 muddled the fluids and organs involved in transmission with the methods /modes of transmission. How is it transmitted by breastfeeding - this probably will be referring to breast milk. You may consider re-writing.

You wrote: "Daycare centers aid in the spread of this infection by increasing close contact between kids, many of whom are excreting CMV." You may consider writing (...shedding rather than excreting).

You wrote: "The predominance of HCMV..." What does HCMV imply? You must write the full word earlier in your sentence with the abbreviation in parenthesis before you can write the abbreviation subsequently.

You wrote: "Both hematopoietic stem cell transplantation (SCT) and solid organ transplantation (SOT) remain the most prevalent and dangerous opportunistic infections, and it is still a significant opportunistic infection in HIV patients". Note that SCT and SOT are not infections.

You wrote: "There have been a few isolated reports of severe primary HCMV infections in immunocompetent patients that affect several **organ systems**." You either write organ or system but not 'organ system'.

You wrote: "Patients undergoing solid organ transplantation (SOT), recipients of hematopoietic stem cell transplantation (SCT), as well as people living with HIV are three patient groups which all have impaired immune systems." This sentence is hanging and appear not to be needed because there is no link between the sentence and the next sentence.

You wrote: "The diagnosis of CMV infection is unreliable because it is asymptomatic in many people...." This appear to be a very harsh conclusion. Are you intending to say none of the methods of diagnosis is reliable despite writing that PCR is

the gold standard?

The author has provided valuable information, however, the writing style could be improved.