

A report note on cytomegalovirus.

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Accepted on November 09, 2021

Perspective

Cytomegalovirus is a very frequent virus. Once attacked, the virus remains in your circulation for the rest of your life. Because Cytomegalovirus rarely causes complications in healthy individuals, most people are unaware they have it. Cytomegalovirus is transmitted from one person to another through blood and other body fluids like saliva, urine, sperm, and breast milk. Although there is no treatment, there are drugs available to assist managing the signs. Cytomegalovirus is a cause for concern if you're pregnant or if your immune system is compromised. During pregnancy, women who have an active Cytomegalovirus infection can transmit the virus on to their kids, who may develop symptoms. In people with weaker immune systems, like those who have had an organ, stem cell, or bone marrow transplant, Cytomegalovirus illness can be lethal.

Signs and symptoms

Cytomegalovirus infection can cause no symptoms in the majority of healthy people. Some people just have modest symptoms. The following people are more prone to have signs and symptoms of Cytomegalovirus:

- Cytomegalovirus-infected new-borns that were infected before birth (congenital)
- Infected new-borns that are infected during or shortly after birth (perinatal). Babies who have been contaminated by breast milk are included in this group.
- People with impaired immunity, such as those who have undergone an organ, bone marrow, or stem cell transplant, or those who are HIV-positive.

Hearing impairment can affect, even babies who have no obvious symptoms. The most prevalent non-genetic cause of hearing loss after birth is Cytomegalovirus. These infections in children after the neonatal period seldom result in significant illness. However, some children may get pneumonia, hepatitis

(liver infection), or a dermatitis. Infected older children and teenagers may experience single symptoms such as fatigue, muscle aches, headaches, fever, and a swollen liver and spleen. These symptoms are usually modest and last 2 to 3 weeks. In persons who had organ transplants or who have impaired immune function, Cytomegalovirus can cause dangerous infections. This viral infection can affect the lungs, neurological system, intestinal system, and eyes in people with AIDS, leading to loss of Vision.

Cytomegalovirus is not really accompanied by symptoms. If it occurs, the length of time symptoms last varies. This is dependent on how the disease occurs, as well as the person's age and physical wellbeing. A significant Cytomegalovirus infection prior to actually birth, for example, might cause behavioural delays throughout life. This viral infection in teenagers, on the other hand, may last till 2 to 3 weeks and create no long-term issues. When a person is infected, the virus remains dormant in the body. It can "reactivate" (reappear) weeks or years down the line. The resurfaced virus can cause severe sickness in those with severely reduced immune function (such as those with AIDS or those receiving chemotherapy). The majority of people, on the other hand, will never experience Cytomegalovirus symptoms again.

Cytomegalovirus can be transmitted in a variety of ways. Whoever has experienced this viral infection can transmit the virus to others, even if they don't show any symptoms. However, because the virus transmits through saliva, breast milk, vaginal fluids, sperm, urination, and faeces, this usually occurs through frequent proximity. Cytomegalovirus can also be detected in blood components and transplanted organs, which can lead to infection following a blood transfusion or organ transplant. However, organ-transplant patients receive preventive medications, and blood donors or banks have protocols in place to assist avoid Cytomegalovirus from spreading through blood transfusions.

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