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Allogeneic BK-specific Cytotoxic T-lymphocytes

National Cancer Institute

Source

National Cancer Institute. *Allogeneic BK-specific Cytotoxic T-lymphocytes*. NCI Thesaurus. Code C123277.

Allogeneic cytotoxic T-lymphocytes (CTLs) that are specifically reactive to BK virus (BKV), with potential antiviral activity. Upon infusion of allogeneic BK-specific CTLs into immunocompromised patients who were infected with BKV after allogeneic stem cell transplantation, these cells exert a specific CTL response against BKV, thereby killing and eliminating the BKV-infected cells. BKV is a member of the polyomavirus family that may cause mild symptoms in normal, healthy people; however, BKV infection can lead to severe disease in immunocompromised patients.