HIV Propagation and its Stages

Mark Cuban*

Department of Health care Finance, Washington, United States

INTRODUCTION

The virus that causes HIV infection is known as the Human Immunodeficiency Virus, or HIV. The term "HIV" can refer to both the virus and HIV infection. The acronym AIDS refers to Acquired Immunodeficiency Syndrome. The most advanced stage of HIV infection is AIDS.

HIV attacks and destroys the immune system's CD4 cells (CD4 T lymphocytes). CD4 cells are a type of white blood cell that helps to defend the body against infection. HIV multiplies and spreads throughout the While it is still possible to transmit HIV to others at this stage, body progresses in phases without therapy, growing worse over an undetectable viral load have almost minimal chance of time. HIV damages the immune system over Acquired Immunodeficiency Syndrome (AIDS). partner. leading to

Although there is no cure for HIV, treatment with HIV 3. AIDS: AIDS is the most advanced and dangerous stage of drugs (also known as Antiretroviral Therapy or ART) HIV infection. The body is unable to fend against can reduce or stop the disease from progressing to the opportunistic infections since HIV has severely impaired the next stage. HIV medications allow HIV patients to enjoy immune system.(Infections and infection-related malignancies longer, healthier lives. The reduction of a person's viral that develop more frequently or are more severe in persons with load to undetectable levels is one of the key aims of ART. impaired immune systems than in those with healthy immune A viral load that is undetectable suggests that the quantity of systems are known as opportunistic infections.) If a person's HIV in the blood is too low for a viral load test to CD4 count is fewer than 200 cells/mm³ or if they have detect. People with HIV who keep their viral load specific opportunistic diseases, they are diagnosed with AIDS. undetectable have virtually no risk of transmitting HIV to Once a person has been diagnosed with AIDS, they may have their HIV-negative partner through sex.

THREE STAGES OF HIV INFECTION

1. HIV Infection in Its Early Stages: Acute HIV infection is the most severe form of HIV infection, and it usually appears 2 to 4 weeks after HIV infection. Some patients experience The treatment of HIV/AIDS with medicines is called flu-like symptoms such as fever, headache, and rash during this Antiretroviral Therapy (ART). It is recommended for everyone period. HIV multiplies quickly and spreads throughout the body who has HIV. The medicines do not cure HIV infection, but during the acute stage of infection. The virus assaults and they do make it a manageable chronic condition. They also kills the immune system's infection-fighting CD4 cells reduce the risk of spreading the virus to others. Relation to (CD4 T lymphocytes). The amount of HIV in the blood is tumor extension. The degree of major vascular involvement quite high during the acute stage of HIV infection, which by pancreatic cancer is useful in predicting which patients will dramatically increases the risk of HIV transmission. If a person have surgically resectable tumors. Major vessels with less begins ART during this time, they may see considerable health than one-fourth of their circumference involved by tumors advantages.

is the second stage of HIV infection (also called asymptomatic HIV infection or clinical latency). HIV continues to proliferate in the body at this stage, albeit at a very low level.

People who have been infected with HIV for a long time may not experience any HIV-related symptoms. Chronic HIV infection without Antiretroviral Therapy (ART) normally progresses to AIDS in 10 years or longer, while it might progress faster in certain persons. People who are undergoing ART treatment might be at this stage for decades.

via the machinery of CD4 cells. HIV infection those who follow ART instructions to the letter and maintain time, spreading HIV through intercourse to an HIV-negative

> a high viral load and be readily infected with HIV. People with AIDS have a three-year survival rate if they do not receive therapy.

TREATMENT

are almost always resectable; tumors that surround more than three-fourths of the circumference are almost always unresectable.

2. Infection with HIV for a Long Time: Chronic HIV infection

Correspondence to: Mark Cuban, Department of Health care Finance, Washington, United States, Tel: 9718417185; E-mail: mark.cuban@helthcare.com

Received: 14-Mar-2022, Manuscript No. GJLSBR-22-15037; Editor assigned: 17-Mar-2022, PreQC No. GJLSBR-22-15037(PQ); Reviewed: 31-Mar-2022, QC No. GJLSBR-22-15037; Revised: 4-Apr-2022, Manuscript No. GJLSBR-22-15037(R); Published: 11-Apr-2022, DOI: 10.35248/2456-3102.22.8.001

Citation: Cuban M (2022) HIV Propagation and its Stages. Glob J Lif Sci Biol Res. 8:001.

Copyright: © 2022 Cuban M. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.