



AIDS

(ACQUIRED IMMUNO DEFICIENCY SYNDROME)

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AIDS



- Acquired Immunodeficiency Syndrome
- HIV is the virus that causes AIDS
- Disease limits the body's ability to fight infection
- A person with AIDS has a very weak immune system
- No cure



HISTORY OF AIDS

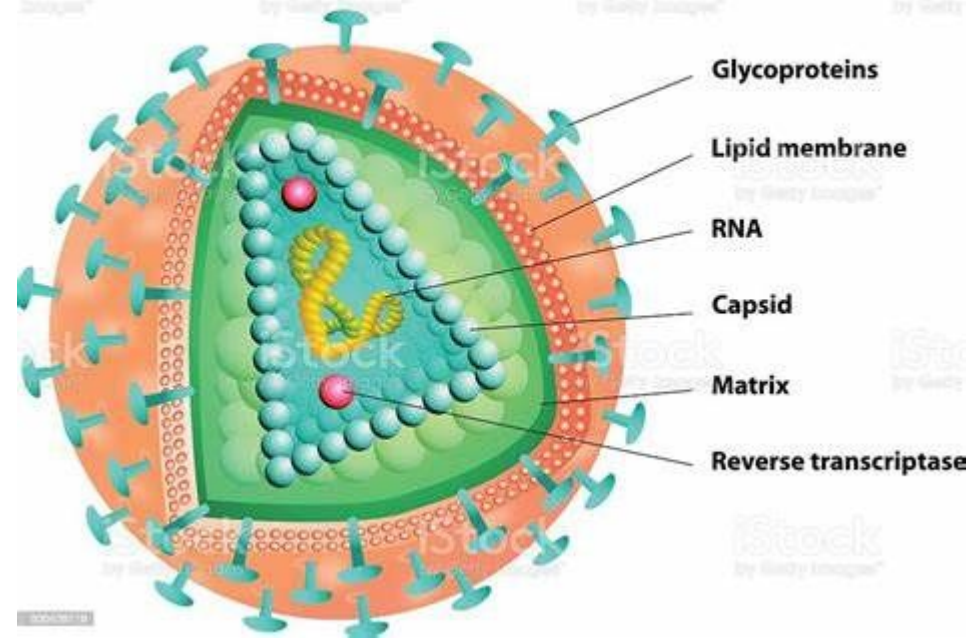


- In 1959 , The scientists isolate what is believed to be the earliest known case of AIDS. The discovery suggests that the multitude of global AIDS viruses all shared a common African ancestor within the past 40 to 50 years.
- In 1978 , Gay men in the US and Sweden and heterosexuals in Tanzania and Haiti begin showing signs of what will later be called AIDS.
- In 1972 , the term AIDS(“acquired immune deficiency syndrome”) is used for the first time on July 27th.



STRUCTURE OF HIV VIRUS

STRUCTURE OF THE HUMAN IMMUNODEFICIENCY VIRUS (HIV)





HIV TRANSMISSION



Common fluids that are a means of transmission

- Blood
- Semen
- Vaginal secretions
- Breast Milk



FOUR STAGES OF HIV

STAGE 1 – PRIMARY

- Short, flu-like illness – occurs one to six weeks after infection
- No symptoms at all
- Infected person can infect other people

STAGES – ASYMPTOMATIC

- Lasts for an average of ten years
- This stage is free from symptoms
- There may be swollen glands
- The level of HIV in the blood drops to very low levels
- HIV antibodies are detectable in the blood



HIV TRANSMISSION



STAGE 3 – SYMPTOMATIC

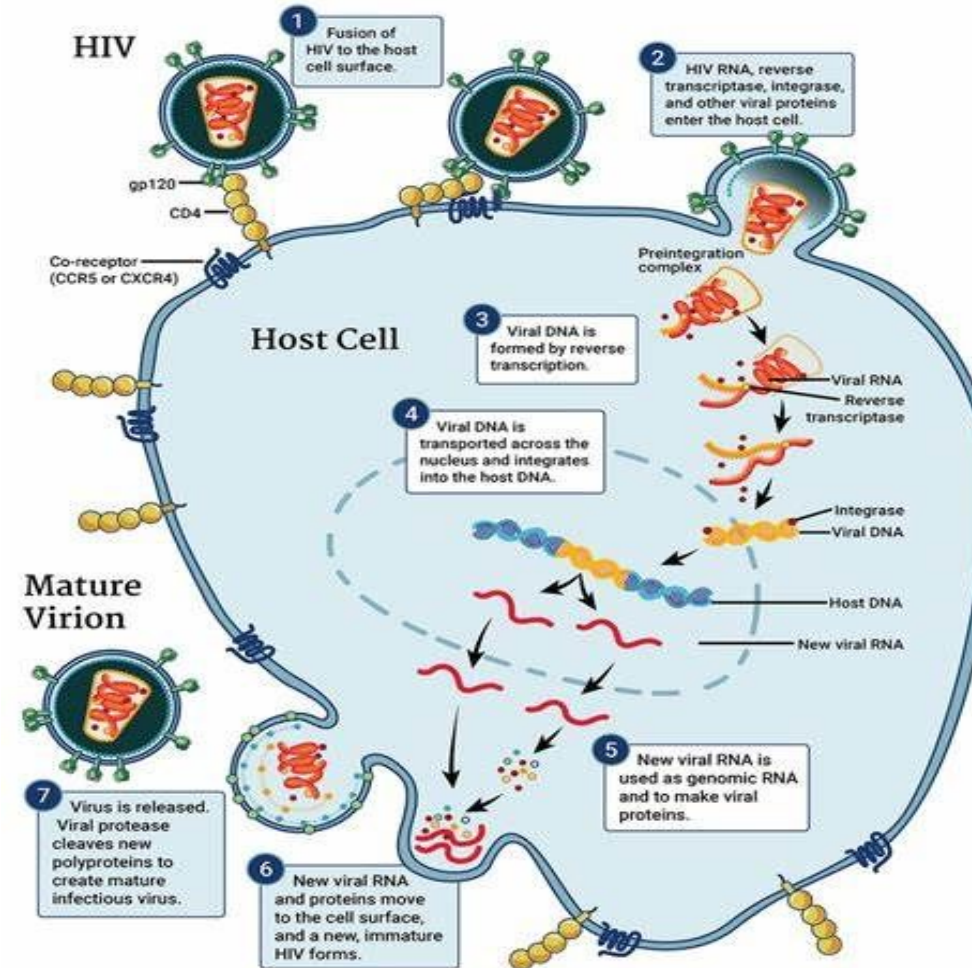
- The symptoms are mild
- The immune system deteriorates
- Emergence of opportunistic infections and cancers

STAGE 4 – HIV □ AIDS

- The immune system weakens
- The illness become more severe leading to an AIDS diagnosis



HIV CYCLE





IMPORTANCE OF EARLY TESTING AND DIAGNOSIS

- Allows for early treatment to maintain and stabilize the immune system response
- Decrease risk of HIV transmission from mother to new born baby
- Allows for risk reduction education to reduce or eliminate high-risk behaviour

HIV TESTING

- Requires a blood or oral fluid sample
- HIV test detect the body's antibody response to HIV infection
- The test does NOT detect HIV virus



ELISA/EIA (Reactive)



Repeat EIA/ELISA (Reactive)



IFA (Reactive)



Positive for HIV



Thank you