



# Treatment of Virus Infecting Genes

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## Abstract

This research deals with the virus infecting the cell and mutation gene leading to spread of infection and leading patient to immunocompromised state leading to susceptible to minor infection basically cure of HIV

**Keywords:** DNA forward rolling ; gene editing ; DNA architecture theory ; DNA backward rolling.

## Introduction

HIV causes AIDS which is incurable and lead the person to the immunocompromised state in which person is susceptible to small infection like pneumonia caused by streptococci pneumoniae.[1] It binds to T cells CD4 receptor and cause it's destruction through division, [2] integration, reverse transcription leading to the destruction of T cell and leading patient to [3] immunocompromised state.

Cure of HIV by three ways

- 1) Inhibitions of reverse transcriptase
- 2) Inhibition of binding of HIV to T cell CD4 receptor
- 3) Inhibition of DNA integration.

### Work of gene editing therapy

- 1) Gene editing of T cell and inhibiting the reverse transcripase leading to the deactivation of HIV reverse transcriptase and leading to deactivation of HIV. [4]
- 2) Gene editing of T cell and Inhibition of DNA integration and leading to the Inhibition of attachment of HIV DNA Formed leading to deactivation of HIV Both method declines the HIV load and permanent cure of HIV. [5]

Above method can lead to prevent the HIV infection and prevent AIDS.

It is the example of DNA forward rolling blockade

DNA forward rolling blockade

In this RNA to DNA is forward and DNA integration takes place leading to gene mutation and gene modification .

In this we block the DNA integration and RNA to DNA formation  
DNA integration is the most feasible method.

## Discussion

We discussed about the cure of AIDS and prevention of AIDS and role of gene edition .

Conclusion gene edition is the main mechanisms for cure of the AIDS and its prevention

## References

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