Title: Human Immunodeficiency Virus Latency and Possible Cure Strategies

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Abstract:
This paper will first introduce and explain HIV-1 and its effect on the immune system as well as past cures that have worked. Then the drives and barriers for a cure will be discussed, including HIV stigma and the non curative property of the current HIV treatment, Antiretroviral Therapy (ART for short). After, HIV transcription will be explained followed by the current strategies being researched that focus on transcription (block and lock, and shock and kill). The final cure strategy being researched that I will discuss is using gene editing to snip out the HIV virus. The paper will end with a review of each cure strategy.