

The management of HIV/AIDS normally includes the use of multiple antiretroviral drugs in an attempt to control HIV infection. There are several classes of antiretroviral agents that act on different stages of the HIV life-cycle. The use of multiple drugs that act on different viral targets is known as highly active antiretroviral therapy (HAART). HAART decreases the patient's total burden of HIV, maintains function of the immune system, and prevents opportunistic infections that often lead to death.^[1] HAART also prevents the transmission of HIV between serodiscordant same sex and opposite sex partners so long as the HIV-positive partner maintains an undetectable viral load.^[2]

In the present book, fifteen typical literatures about highly active antiretroviral development published on international authoritative journals were selected to introduce the worldwide newest progress, which contains reviews or original researches on highly active antiretroviral. We hope this book can demonstrate advances in highly active antiretroviral development as well as give references to the researchers, students and other related people.

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