

Update on HIV Infection

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This presentation will review important clinical issues related to HIV infection in the last year. The timing of first-line antiretroviral therapy and new data on potential first-line options will be summarized. The current recommendations based on several large trials, primarily cohort studies, suggesting potential benefit of earlier treatment will be mentioned. The recent American and European treatment guideline changes will be reviewed. Phase II studies of a new boosting agent—GS-9350 (or cobicistat) will be summarized. Voluntary testing and immediate HAART as an effective prevention strategy will be discussed. The results of the last vaccine trial will be presented.

Further Reading

When To Start Consortium, Sterne JA, May M, Costagliola D, de Wolf F, et al. Timing of initiation of antiretroviral therapy in AIDS-free HIV-1-infected patients: a collaborative analysis of 18 HIV cohort studies. *Lancet*. 2009 Apr 18;373(9672):1352-63.

Kitahata MM, Gange SJ, Abraham AG, et al, NA-ACCORD Investigators. Effect of early versus deferred antiretroviral therapy for HIV on survival. *N Engl J Med*. 2009 Apr 30;360(18):1815-26.

Guidelines for the Use of Antiretroviral Agents in HIV-1-Infected Adults and Adolescents - December 1, 2009 <http://www.aidsinfo.nih.gov/Guidelines>

CLINICAL MANAGEMENT AND TREATMENT OF HIV INFECTED ADULTS IN EUROPE. <http://www.europeanaidsclicalsociety.org/guidelines.asp>

Lennox JL, DeJesus E, Lazzarin A, et al; STARTMRK investigators. Safety and efficacy of raltegravir-based versus efavirenz-based combination therapy in treatment-naive patients with HIV-1 infection: a multicentre, double-blind randomised controlled trial. *Lancet*. 2009 Sep 5;374(9692):796-806.

Granich RM, Gilks CF, Dye C, De Cock KM, Williams BG. Universal voluntary HIV testing with immediate antiretroviral therapy as a strategy for elimination of HIV transmission: a mathematical model. *Lancet*. 2009 Jan 3;373(9657):48-57.

Rerks-Ngarm S, Pitisuttithum P, Nitayaphan S, et al; MOPH-TAVEG Investigators. Vaccination with ALVAC and AIDSVAX to prevent HIV-1 infection in Thailand. *N Engl J Med*. 2009 Dec 3;361(23):2209-20.