Markers of HIV reservoir size in infected children on long-term viral control

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Abstract

Methods: 40 PHIV (4-19yrs age) who started ART <2 years of life and had undetectable viremia (<50 HIV copies/ml) for the past 5 years, were enrolled in 7 European research centers. HIV-DNA copies per million peripheral blood mononuclear cells (PBMC) were measured by real-time PCR. Flow cytometry was used to investigate CD4 T cells for 1) co-expression of PD1 with IA (ICOS, CD38, Ki67 and HLA-DR) or ICP (TIGIT, LAG3, TIM3 and CTLA4) and 2) intracellular cytokine production (IL2, IFNg, TNF, IL10) after stimulation with GAG peptides.

Results:

• 40 perinatally HIV infected young and old children (age range 4.4-19.1 years) were enrolled in the study
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Results (contd.):"