IDENTIFICATION OF CANDIDATE DUAL/MONOTHERAPY PATIENTS IN TREATMENT WITH PROTEASE INHIBITORS: ECONOMIC SAVINGS

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PURPOSE
✓ Identify patients with HIV infection who are candidates for simplification of ART to dual-therapy or monotherapy.
✓ Estimate the theoretical savings that would result from modifying the ART.

MATERIAL AND METHODS

Observational cross-sectional descriptive study that included all patients with ART at the current date (September 2017). Patients with the following criteria were considered to simplify the ART to dual-therapy with IP/p + lamivudine or monotherapy with IP/p:

1. TAR based on 2 nucleoside inverse transcriptase analogue (ITIAN) inhibitors + IP/p
2. Plasma viral load <50 copies/mL for at least 6 months, absence of failure prior to IP/p
3. Hepatitis B virus markers negative (DNA HBV and HBAg)

The theoretical savings have been calculated by the difference between current and simplified treatment costs (dual-therapy and monotherapy).

RESULTS

422 patients were receiving ART:

29/422 had already simplified ART 77.567€ saved/year

26/422 met the criteria for ART simplification:

• changing ART to dual therapy would be 78.829 € saved/year
• changing ART to monotherapy would be 90.030 € saved/year

Total savings: 156.397,54€/year (dual-therapy)
167.598,34€/year (monotherapy)

CONCLUSIONS

Our results show that this strategy would lead to considerable savings. In this case, it would save approximately 5.7-6.1% of annual expenditure on ART.