

# REAL WORLD EXPERIENCIE WITH 3TC-DTG IN LOW RESOURCE COUNTRY.



		TANCE TESTING MAY BE AN ALTERNATIVE IN SETTINGS THE DESIGN OF CONTROLLED CLINICAL TRIALS SHOULD
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Dual therapy with DTG + 3TC is an option for switching ART in PLWH with undetectable viral load (uVL) and without known mutations associated with resistance to 3TC or DTG. However, access to resistance testing is limited or unavailable in low-resource settings

### To analyze the time to virologic failure using Dual Therapy (DT) without prior genotipic resistance testing

Demographic and clinical characteristics::

and 12/2023 from Muñiz Hospital (Argentina).

- sex,
- age at diagnosis,
- type of previous ART,
- CD4 previous and post DT,
- VL during follow-up and time between diagnosis and DT prescription

An open prospective cohort study of People living with HIV

(PLWHIV) with undetectable Viral Load (uVL) and DT prescription

without prior resistance test was performed between 5/2021

## Statistical analysis:

- Categoric data resumed by percentage
- Numeric data by mean and SD or median and IQR, and Spearman rho; p=0.05.
- Mc Nemar test, were compared Pre- and post-DT VL.
- Survival analysis was performed with detectable VL (dVL) as failure and compared with log rank test according to pevious ARVs.

#### Table 1: Characteristics of the participants at baseline

Age at diagnosis (Mean and Standard Deviation)	36,6 (10,6)
Years between diagnosis and 3TC DTG (Median and IQR)	9,9 (RIC:4.8-14.8)
Pre-TARV with INSTI	63 (63,6)

#### **RESULTS/ANALYSIS**

• Patients Number=98 PLHIV uVL, 100% with previous exposure to 3TC or FTC. Females 41 (42,3%), males 56 (57,7%).

**Table 1** shows baseline characteristics of the cohort.

**Figure1** shows the survival analyses. 92 PLWHIV were follw-up 2415 months. Incidence Density: 0.00083 detectable dVL/month

**Graph 1:** Survival analysis. Model Failure: Detectable Viral Load; follow up in months.

Overall (1.A) and previous ART: integrase inhibitors (INSTI) (1.B), non-nucleoside inhibitors (NNRTI) (1.C) and protease inhibitors (PI) (1.D).

UVL pre switch 100% and uVL post switch96.7 %, Mc Nemar test = 3 p=0.083, indicating that there is no difference between the proportion of PLWH with uVL before and after switch. Of the 3/93 dVL post switch , 2 PLWH VL= 51 and 43 copies and one PLWH with 373 copies/mL with and INSTI Resistance study in progress. CD4 pre switch 637 cel/mL (IQR: 462.5-818.5), CD4 post switch 755 cel/mL (IQR: 583-1029), Spearman rho :0.78 p=0.000

# Graph 1A Kaplan–Meier survival estimate

