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## Results of 2

he aims of the study were:

- to evaluate the viroimmunological efficacy and tolerability of DTG-  
including regimens and regimens without DTG in ART-naïve late and  
AIDS presenters in real life settings  
to describe IRIS defining events in DTG-including regimens and in  
regimens without DTG

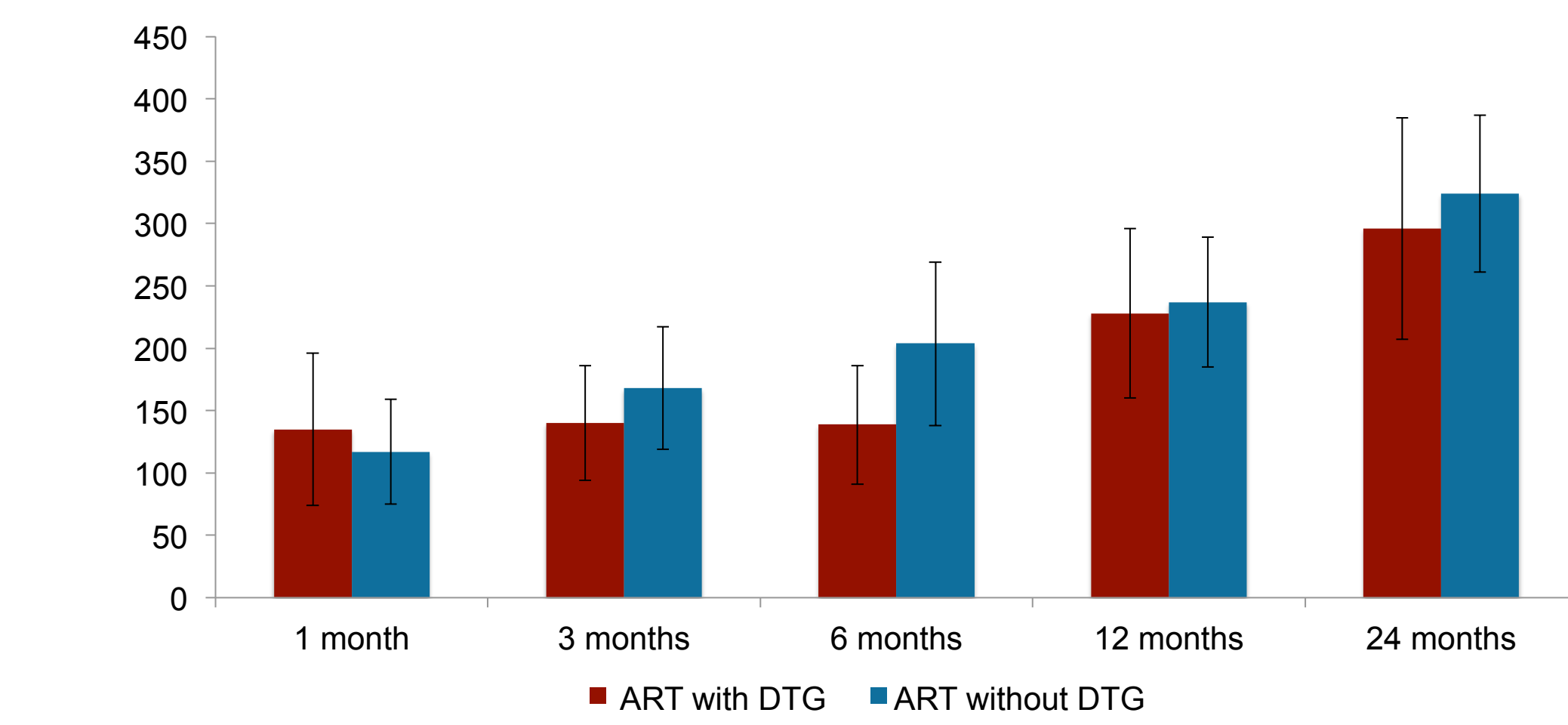
**Figure 1. AIDS-defining events according to ART-regimens**  
(n= 178 in 120 patients)



Time of follow up	ART with DTG (%)	ART without DTG (%)
1 month	36%	17%
3 months	60%	55%
6 months	81%	77%
12 months	80%	78%
24 months	91%	89%

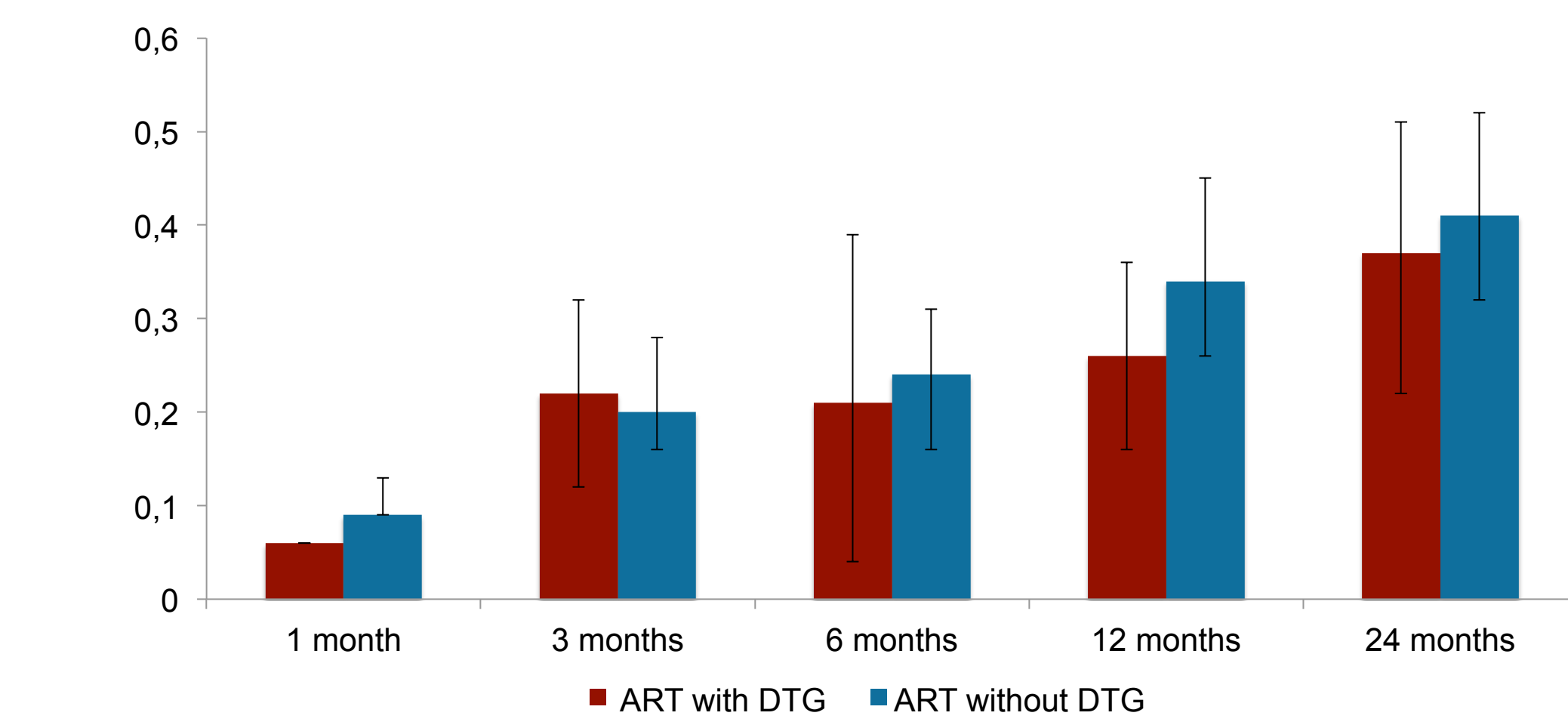
The median observation time was 16 months (IQR 5-24). Among 38 patients with HIV-RNA> 50 copies/ml after 6 months of treatment, 14/16 in ART with DTG and 21/22 in ART without DTG presented HIV-RNA>100,000 copies/mL at baseline.

**Figure 4. Mean CD4 change from baseline**



P<0.005 for all comparisons intragroup

**Figure 5. Mean CD4/CD8 ratio change from baseline**



P<0.005 for all comparisons intragroup

Ten patients died within 24 months after ART initiation:

### 5 patients on ART with DTG

- 2 for Kaposi's sarcoma complications
- 1 for progressive multifocal leukoencephalopathy
- 1 for *Pneumocystis jirovecii* pneumonia
- 1 for non-AIDS related event

5 patients on ART without DTG

- 2 for *Pneumocystis jirovecii* pneumonia
- 2 for non-AIDS related event
- 1 for Non-Hodgkin lymphoma

- ✓ Retrospective design
- ✓ Clinical definition of IRIS

Although preliminary, our results confirm the high potency, good tolerability and safety of DTG-containing regimens as first-line treatment of advanced-naïve patients. Patients treated with DTG exhibited a frequency of IRIS which was comparable to those who did not receive DTG.

### Table 1. Baseline characteristics of patients

Values are expressed as n (%) except for \*median (interquartile range, IQR)

## Table 2. Antiretroviral regimens

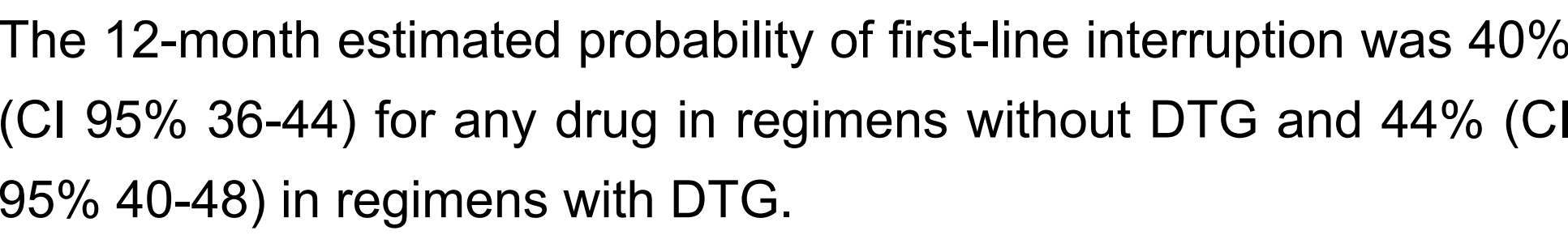
\* 1 patient on treatment with 3TC+RAL+DRV/r

Values are expressed as n (%) except for \*median (interquartile range, IQR)

## Reference

- Panel on Antiretroviral Guidelines for Adults and Adolescents. Guidelines for the use of antiretroviral agents in HIV-1-infected adults and adolescents. Department of Health and Human Services. Available from: <http://www.aidsinfo.nih.gov/ContentFiles/AdultandAdolescentGL.pdf>.  
Antinori A, Coenen T, Castagliola D et al. Late presentation of HIV infection: a consensus definition. *HIV Med* 2011; 12:61-4.  
Wijting I et al. Integrase inhibitors are an independent risk factor for IRIS: an ATHENA cohort study. *CROI* 2017, February 13-16, 2017, Seattle. Poster abstract 731.  
Dutertre M et al. Initiation of art based on integrase inhibitors increases the risk of IRIS. *CROI* 2017, February 13-16, 2017, Seattle. Poster abstract 732.

**Figure 2. Estimated probability of remaining free from first-line ART-interruption**



The 12-month estimated probability of DTG interruption was 14% (CI 95% 11-17).

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