

ARV Therapies and Therapeutic Strategies

INDEPENDENT REPORTING ON EACS 2017

COMPREHENSIVE EXPERT REVIEW AND DISCUSSION OF KEY PRESENTATIONS



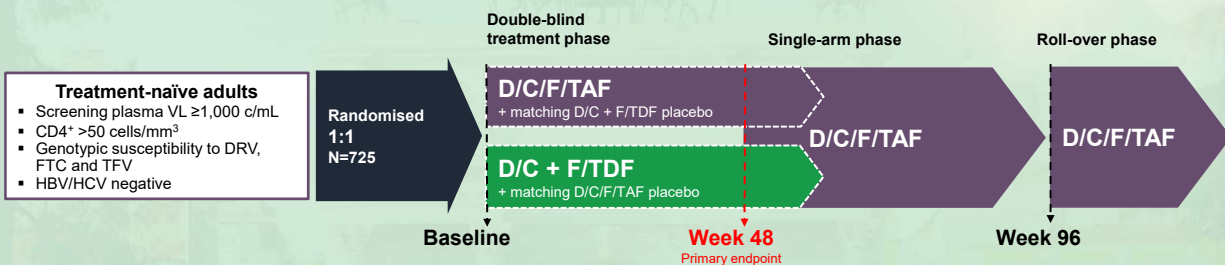
An Independent CME Activity Jointly Provided by Postgraduate Institute for Medicine and ViralEd, Inc.
This coverage is not sanctioned by the conference organizers and is not an official part of the conference proceedings.

WEEK 48 RESULTS OF AMBER: A PHASE 3, RANDOMISED, DOUBLE-BLIND TRIAL IN ANTIRETROVIRAL TREATMENT (ART)-NAÏVE HIV-1-INFECTED ADULTS TO EVALUATE THE EFFICACY AND SAFETY OF THE ONCE-DAILY, SINGLE-TABLET REGIMEN (STR) OF DARUNAVIR/ COBICISTAT/ EMTRICITABINE/ TENOFOVIR ALAFENAMIDE (D/C/F/TAF) VERSUS DARUNAVIR/COBICISTAT (DRV/C) PLUS EMTRICITABINE/ TENOFOVIR DISOPROXIL FUMARATE (FTC/TDF)

**J. Gallant, C. Orkin, J.-M. Molina, E. Negredo, A. Antinori,
A. Mills, J. Eron, J. Reynes, E. Van Landuyt, E. Lathouwers,
V. Hufkens, J. Jezowski, M. Opsomer**

Abstract PS8/2

AMBER STUDY: DESIGN



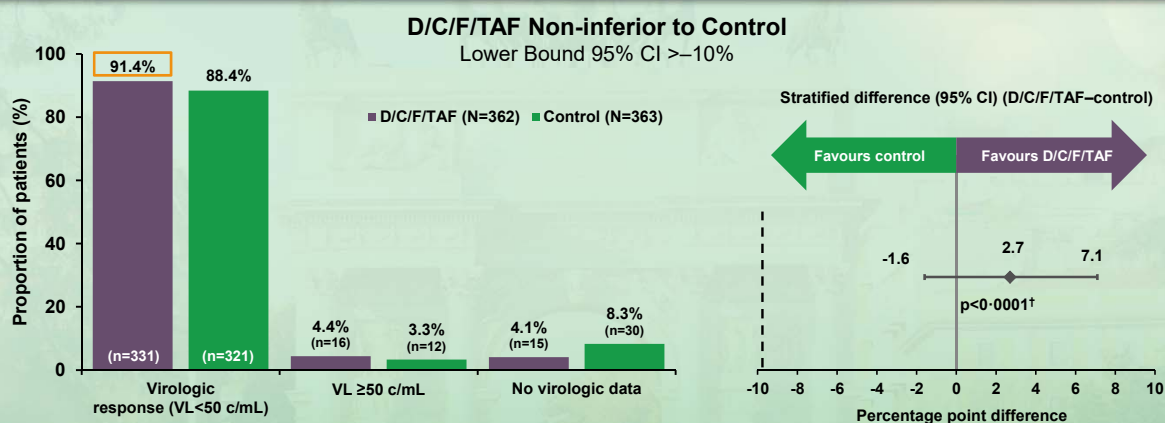
Primary Objective: Assess non-inferiority of D/C/F/TAF vs D/C + F/TDF by proportion of patients with VL <50 c/mL at 48 weeks (NI margin 10%; FDA-Snapshot algorithm)

AMBER STUDY: BASELINE CHARACTERISTICS

	D/C/F/TAF QD N=362	Control N=363	Total N=725
Median (IQR) age, years	34 (27–42)	34 (27–42)	34 (27–42)
Male, n (%)	318 (87.8)	322 (88.7)	640 (88.3)
Median (IQR) log ₁₀ VL, c/mL	4.4 (4.0–4.8)	4.6 (4.2–4.9)	4.5 (4.1–4.9)
Median (IQR) CD4 ⁺ count, cells/mm ³	461.5 (342–617)	440.0 (325–594)	453.0 (333–601)
Median (IQR) eGFR _{Cr₇₇} mL/min (Cockcroft-Gault)	119 (105–135)	118 (103–138)	119 (104–136.5)
Genotype at Screening	N=361	N=362	N=723
≥1 primary PI RAMs	7 (1.9)	8 (2.2)	15 (2.1)
≥1 NRTI RAMs	18 (5.0)	16 (4.4)	34 (4.7)
≥1 NNRTI RAMs	55 (15.2)	63 (17.4)	118 (16.3)

Orkin C, et al. 16th EACS, Milan, Italy, October 25-27, 2017; Abst. PS8/2.

AMBER STUDY: VIROLOGIC OUTCOME AT WEEK 48



- Subgroup analysis by: Age, gender, race, CD4 (</>200), viral load (</> 100.000) similar results. Point estimates favor D/C/F/TAF
- No development of DRV, primary PI or TDF/TAF RAMs. One patient (D/C/F/TAF) developed M184I/V conferring resistance to FTC

† p-value for non-inferiority at 10% margin

Orkin C, et al. 16th EACS, Milan, Italy, October 25-27, 2017; Abst. PS8/2.

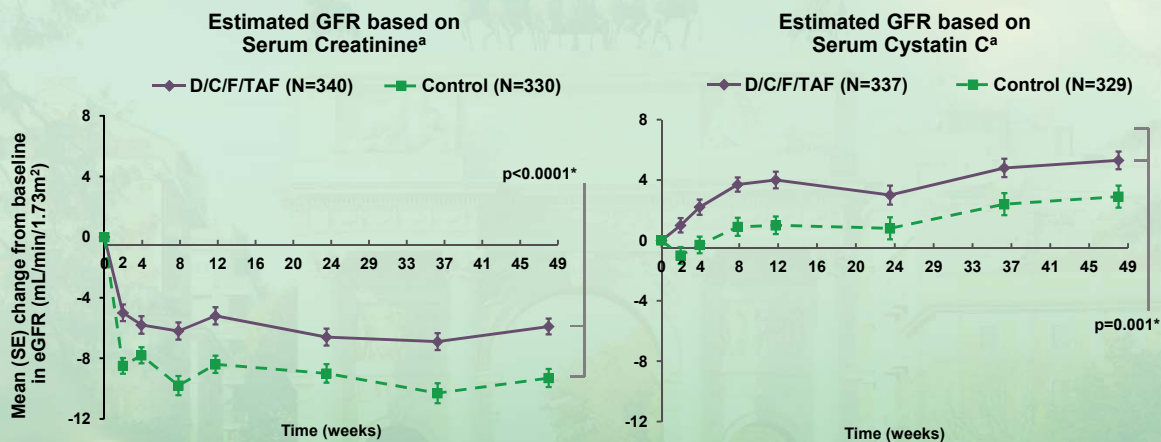
AMBER STUDY: SAFETY

Incidence, n (%)	D/C/F/TAF QD N=362	Control N=363
≥1 AE, any grade	312 (86.2)	307 (84.6)
≥1 grade 3-4 AE	19 (5.2)	22 (6.1)
≥1 serious AE	17 (4.7)	21 (5.8)
Deaths	0	0
AEs Leading to Discontinuation		
≥1 AE	7 (1.9)	16 (4.4)
	Rash (n=6) Diarrhoea (n=1)	Rash/erythema (n=7) Diarrhoea (n=1) Toxic skin eruption (n=2) SJS (n=1) Bone marrow oedema (n=1) Increased Beta 2 macroglobulin (n=1) Arthralgia (n=1) Neoplasms (n=2)

- Incidences and types of laboratory abnormalities were similar in both treatment arms being mostly Grade 1 or 2

Orkin C, et al. 16th EACS, Milan, Italy, October 25-27, 2017; Abst. PS8/2.

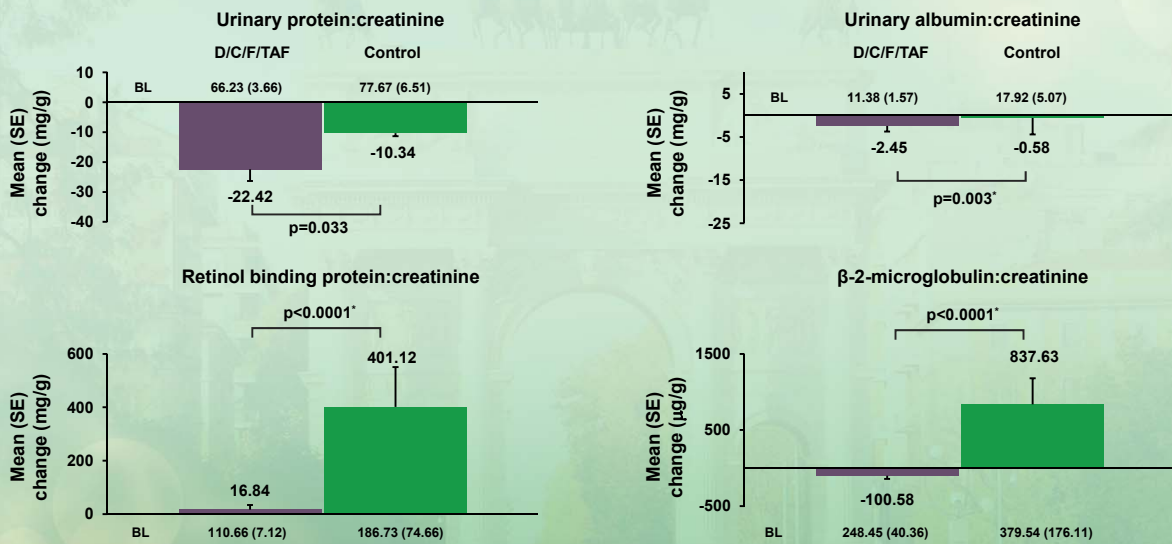
AMBER STUDY: MEAN CHANGES IN EGFR THROUGH 48 WEEKS



a. Based on serum levels and CKD-EPI formula
* p value for difference estimated using ANCOVA, including treatment as a factor and baseline eGFR as a covariate

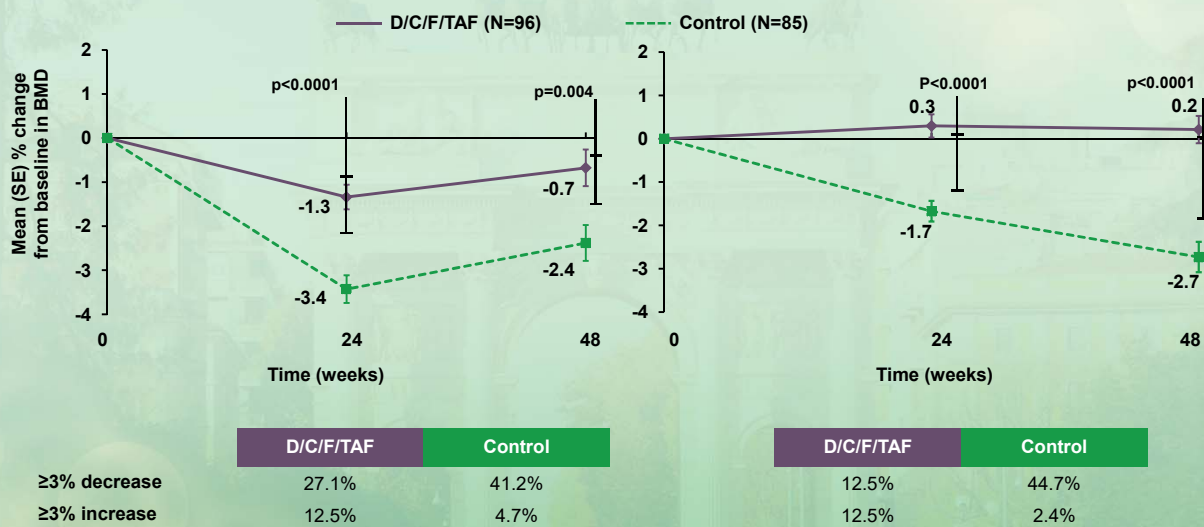
Orkin C, et al. 16th EACS, Milan, Italy, October 25-27, 2017; Abst. PS8/2.

AMBER STUDY: MEAN CHANGES IN PROTEINURIA THROUGH 48 WEEKS



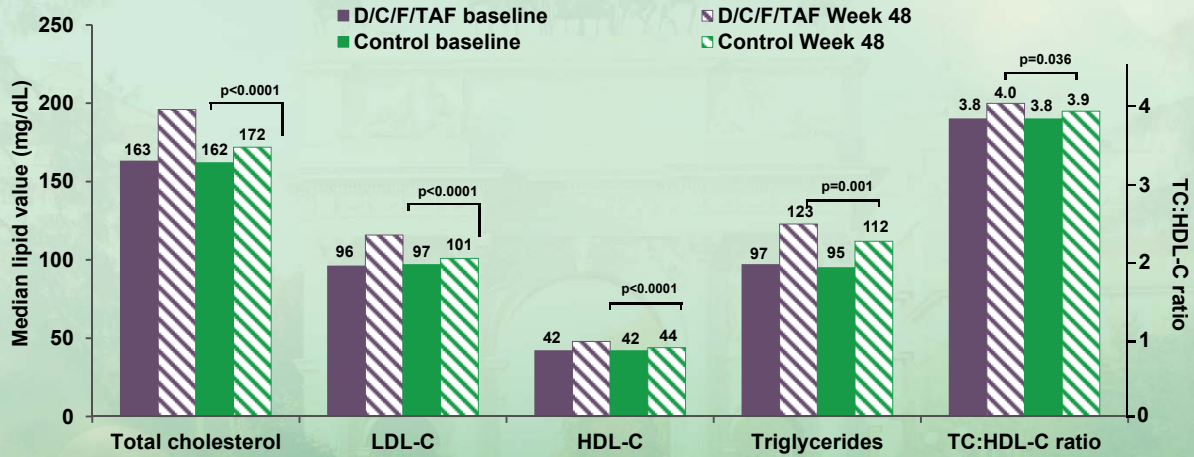
Orkin C, et al; 16th EACS, Milan, Italy, October 25-27, 2017; Abst. PS8/2.

AMBER STUDY: MEAN % CHANGES IN BMD THROUGH 48 WEEKS



Orkin C, et al; 16th EACS, Milan, Italy, October 25-27, 2017; Abst. PS8/2.

AMBER STUDY: FASTING LIPID LEVELS AT BASELINE AND WEEK 48



During treatment, lipid-lowering drugs started by 6 (1.7%) vs 2 (0.6%) patients (p=0.18)