RUMBA's week 144 results confirm reassuring metabolic outcomes in both DTG/3TC and B/FTC/TAF.

P054



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BACKGROUND







DYAD

- Above switch-studies show non-inferior virological efficacy of DTG/3TC versus 3/4 drug regimens as well as its safety and tolerability
- ▶ 2nd generation integrase inhibitors and tenofovir alafenamide (TAF) have been associated with weight gain

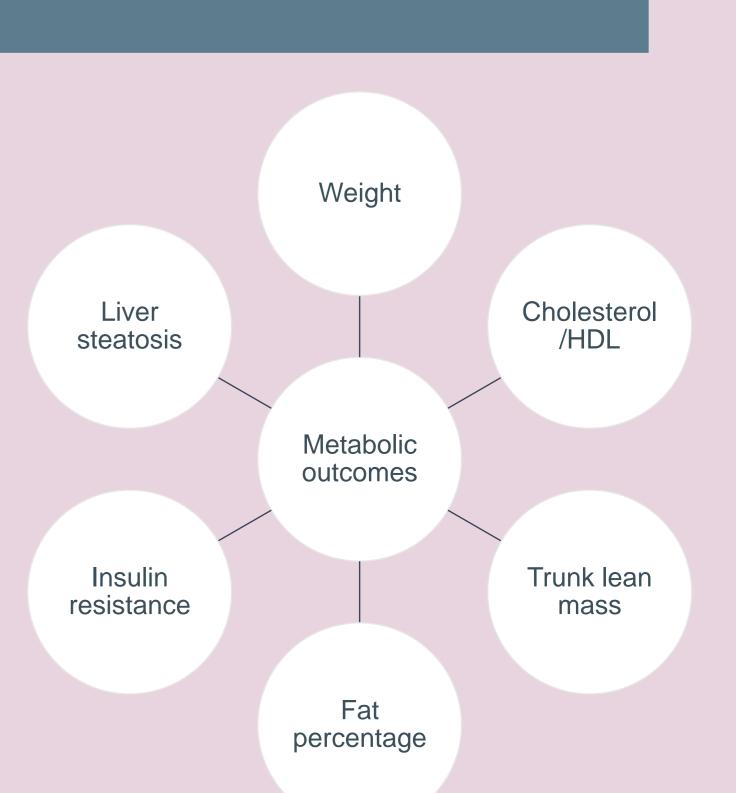
Weight gain

Lipid changes

Impact of NRTI

MATERIALS & METHODS

- ▶ RUMBA study: Phase 4 RCT with analysis of viral reservoir as primary endpoint
- Virologic suppressed participants were 2:1 randomized to switch to DTG/3TC or switch to or stay on B/F/TAF
- Metabolic outcomes as secondary endpoints
- ▶ W48 results (virologic, metabolic, immunologic) recently published [1]
- Ordinary linear regression models with multiple imputations
- Differences in metabolic outcomes between W144 and baseline are reported here



RESULTS

Population

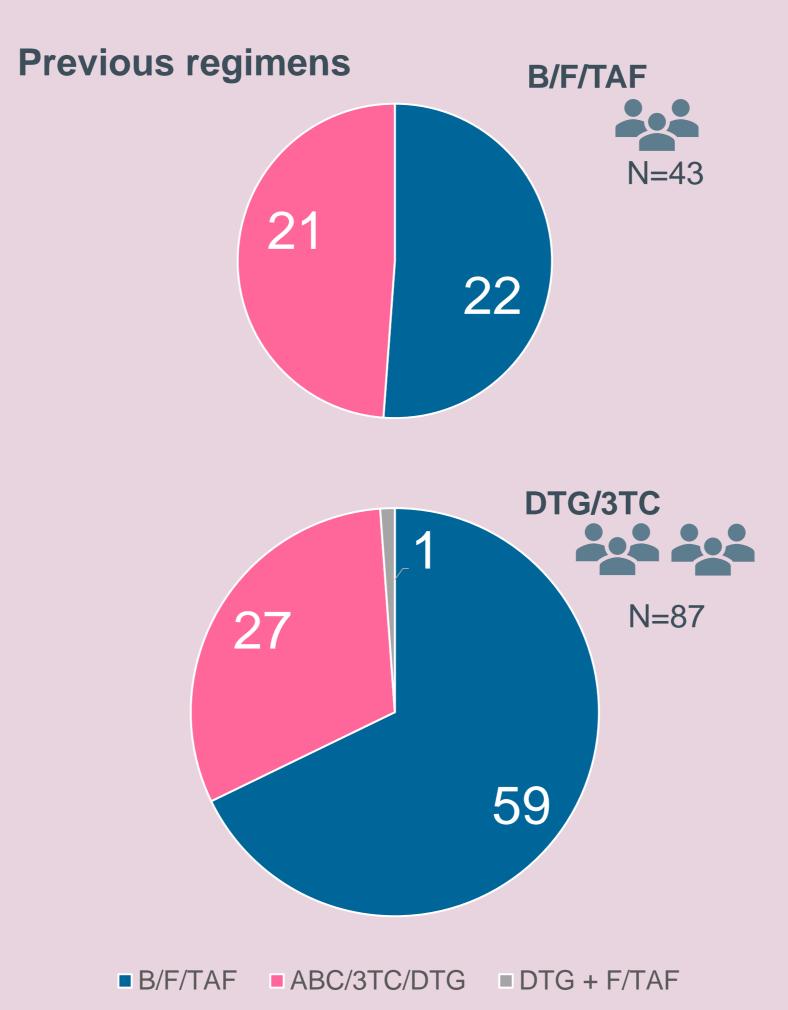
ITT-E: 130 W48: 121 Randomized: 134 W144: 103

	Total (n=130)		B/F/TAF (n=43)		DTG/3TC (n=87)	
Sex, M/F	118/12		39/4		79/8	
Ethnicity, European/African/ Other	102/14/14		32/5/6		70/9/8	
Age, y, median (IQR)	47	(37-55)	46	(38-52)	48	(40-56)
Time on ART, y, median (IQR)	7.2	(4.6-10.8)	6	(4.4-9.0)	8.6	(5.2-11.5)
BMI, kg/m², median (IQR)	25	(23-28)	25	(22-26)	26	(23-28)
<1y on 2 nd gen INSTI	15		4		11	
TAF naïve / <1y on TAF	49/11		21/4		28/7	

Baseline characteristics of the RUMBA participants

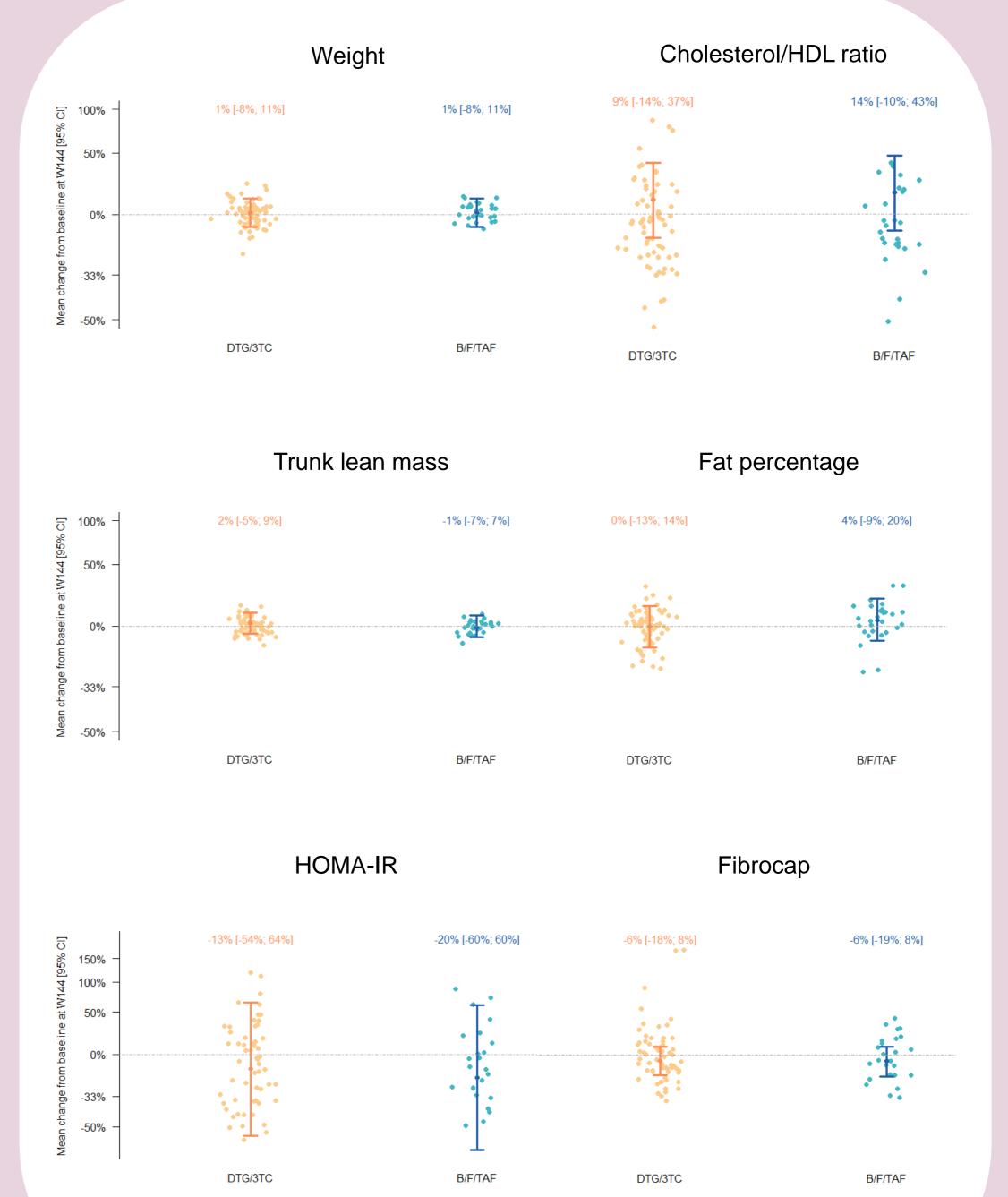
Outcomes												
	Treatment ratio 3DR/2DR			B/F/TAF			DTG/3TC					
	Estimate	95% LCL	95% UCL	Estimate	95% LCL	95% UCL	Estimate	95% LCL	95% UCL			
Weight	1	0.96	1.04	1.01	0.92	1.11	1.01	0.92	1.11			
Cholesterol/HDL	1.04	0.93	1.16	1.14	0.9	1.43	1.09	0.86	1.37			
Trunk lean mass	0.98	0.95	1.01	0.99	0.93	1.07	1.02	0.95	1.09			
Fat%	1.05	0.99	1.11	1.04	0.91	1.2	1	0.87	1.14			
HOMA-IR	0.93	0.68	1.25	0.8	0.4	1.6	0.87	0.46	1.64			
FibroCap	1	0.93	1.08	0.94	0.81	1.08	0.94	0.82	1.08			

Metabolic changes after 144 weeks, corrected for baseline response value, baseline regimen and baseline BMI. LCL: Lower confidence interval limit UCL: Upper confidence interval limit



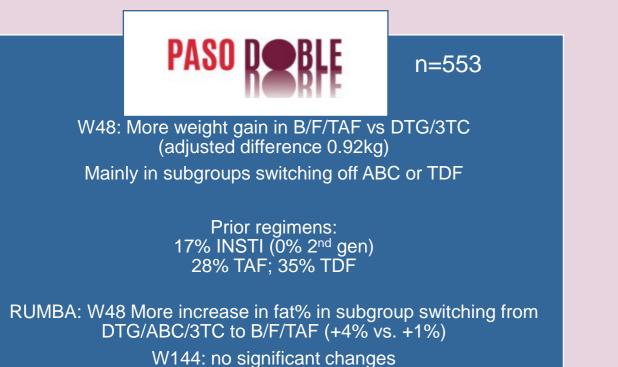
No statistically significant differences were observed between the two arms.

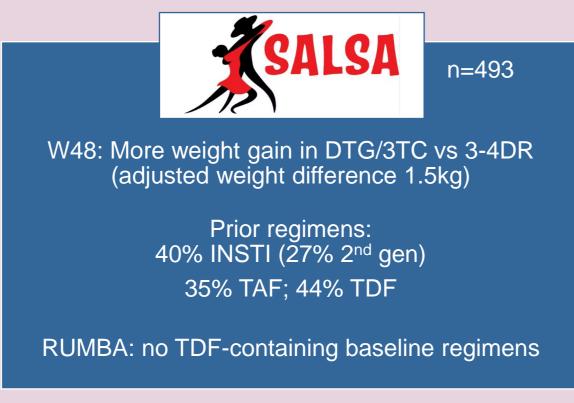
6 secondary metabolic outcomes were evaluated.

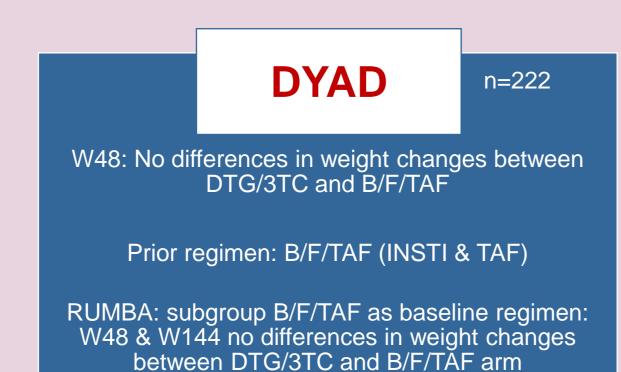


RUMBA VERSUS OTHER DTG/3TC TRIALS

W144: Favorable lipids in DTG/3TC vs TAF-containing 3-4DR Prior regimens: 78% INSTI; 100% TAF RUMBA: 68% switch off TAF in DTG/3TC group No differences in lipids found







CONCLUSIONS & CONSIDERATIONS

- RUMBAs week 48 data showed that switching to DTG/3TC had no impact on the viral reservoir. Metabolic outcomes were comparable between 2DR and 3DR, with slightly better body composition measures in 2DR [1].
- At week 144, we confirm reassuring metabolic outcomes in both the DTG/3TC and B/F/TAF group. **No statistically significant differences** are found.
- Metabolic outcomes in DTG/3TC switch trials depend mostly on baseline regimen.
- Metabolic outcomes should be further investigated to better understand their role and individualize treatment in people with increased risk of metabolic comorbidity.
- We await further RUMBA W144 analyses, with multiple imputations based on all intermediate data (week 72, 96 and 120) as well as W240 data.

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