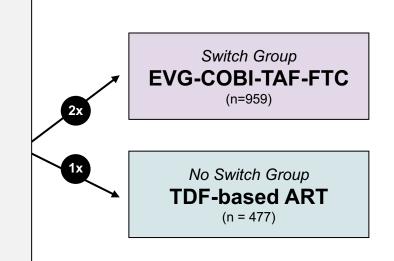
Switch from TDF-based ART to Elvitegravir-Cobicistat-TAF-FTC Study 109



Switch to Elvitegravir-Cobicistat-TAF-FTC Study 109: Design

- Background: Open-label, randomized, phase 3 trial comparing switch to EVG-COBI-TAF-FTC versus continuation of baseline regimen of TDF-based ART
- Inclusion Criteria (n = 1443)
 - HIV RNA < 50 copies/mL on ART for ≥96 weeks
 - CrCl >50 mL/min
 - 1 of 4 baseline TDF-containing ART regimens:
 - EVG-COBI-TDF-FTC (n=459)
 - EFV-TDF-FTC (n=376)
 - ATV + RTV + TDF-FTC (n=385)
 - ATV-COBI + TDF-FTC (n=216)
- Treatment Arms
 - EVG-COBI-TAF-FTC (Switch group)
 - Remain on TDF-based ART (No switch group)

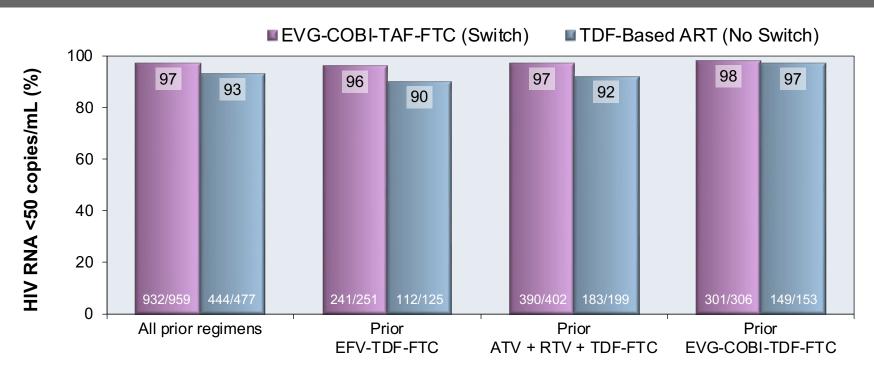


*NOTE: Between randomization and study onset, 4 participants withdrew consent, 2 withdrew by investigator discretion, and 1 was lost to follow-up.



Switch to Elvitegravir-Cobicistat-TAF-FTC Study 109: Subgroup Analysis Result

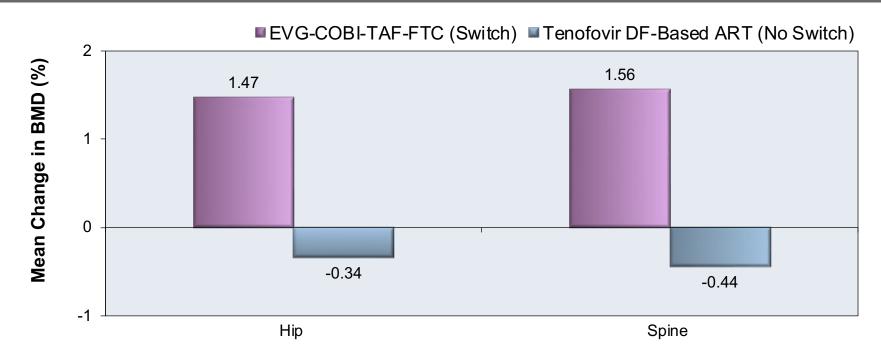
Week 48 Virologic Response, by Baseline Regimen





Switch to Elvitegravir-Cobicistat-TAF-FTC Study 109: Result

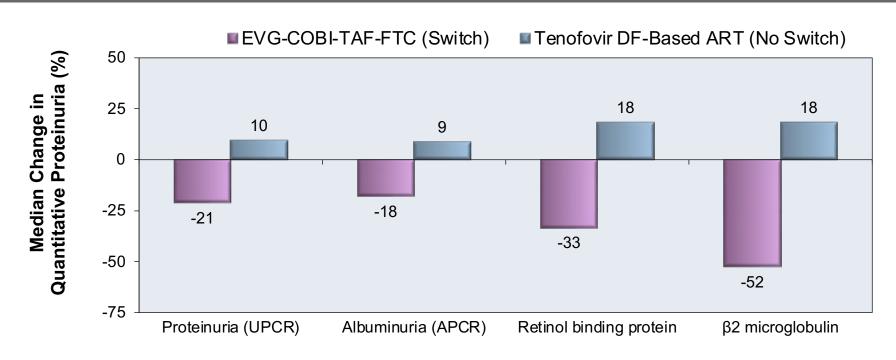
Week 48: Changes in Bone Mineral Density (BMD)





Switch to Elvitegravir-Cobicistat-TAF-FTC Study 109: Result

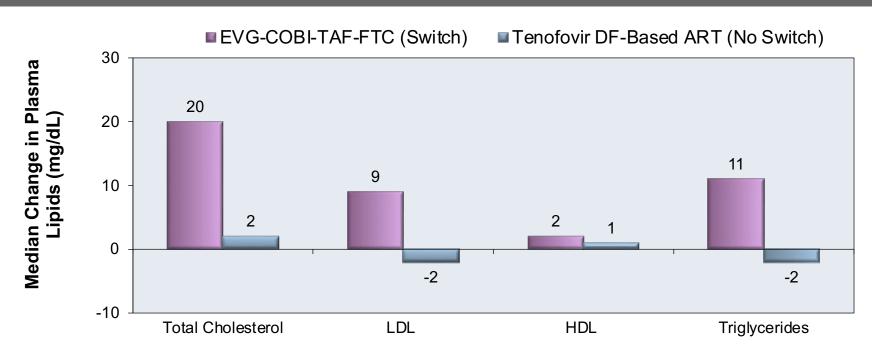
Week 48: Changes in Quantitative Proteinuria from Baseline





Switch to Elvitegravir-Cobicistat-TAF-FTC Study 109: Result

Week 48: Change in Plasma Lipids from Baseline





Switch to Elvitegravir-Cobicistat-TAF-FTC Study 109: Conclusions

Interpretation: "Switching to a tenofovir alafenamide-containing regimen from one containing tenofovir disoproxil fumarate was non-inferior for maintenance of viral suppression and led to improved bone mineral density and renal function. Longer term follow-up is needed to better understand the clinical impact of these changes."



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