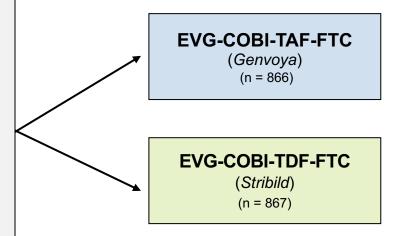
EVG-COBI-TAF-FTC versus EVG-COBI-TDF-FTC Study 104 and Study 111



EVG-COBI-TAF-FTC versus EVG-COBI-TDF-FTC Study 104/111: Design

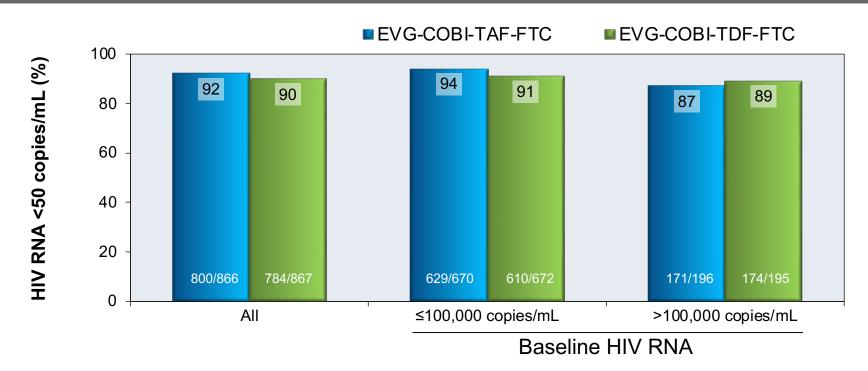
- Background: Randomized, double-blind, phase 3 trial comparing elvitegravir-cobicistat-tenofovir alafenamide-emtricitabine with elvitegravircobicistat-tenofovir DF-emtricitabine
- Inclusion Criteria (n = 1,733)
 - Antiretroviral-naïve patients
 - Age >18
 - HIV RNA ≥1000 copies/mL
 - Any CD4 count allowed
 - No AIDS conditions in prior 30 days
- Treatment Arms
 - Elvitegravir-Cobicistat-TAF-FTC
 - Elvitegravir-Cobicistat-TDF-FTC





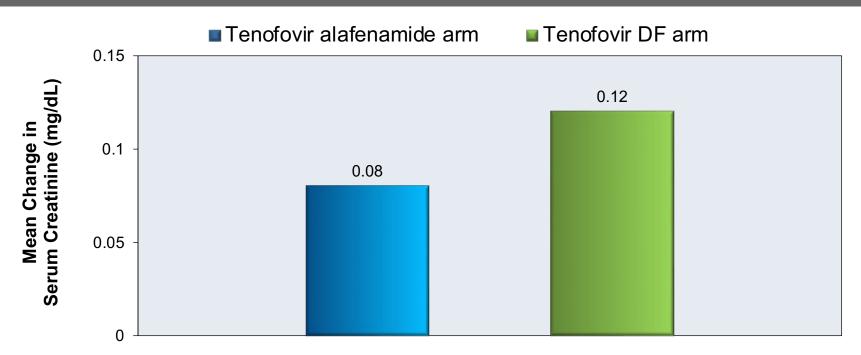
EVG-COBI-TAF-FTC versus EVG-COBI-TDF-FTC Study 104/111: Result

Week 48 Virologic Response (Intent-to-Treat Analysis)



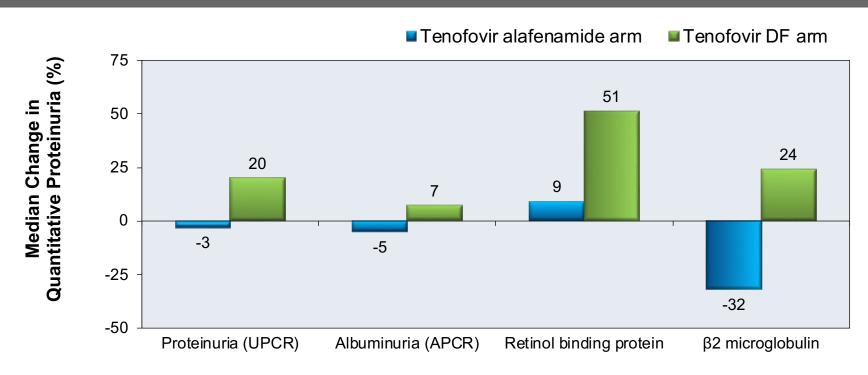


Week 48: Change in Serum Creatinine from Baseline



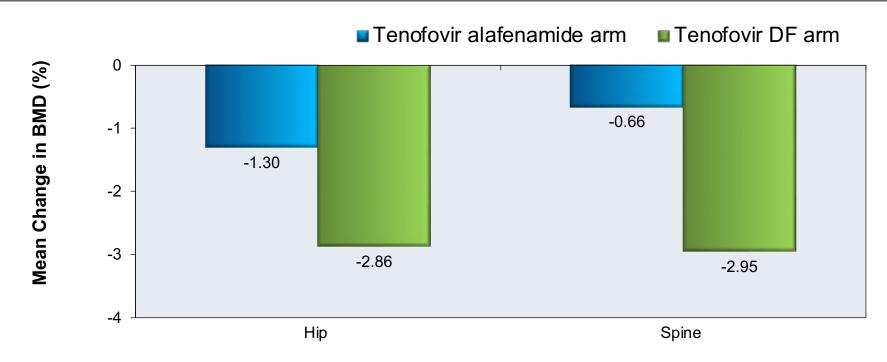


Week 48: Changes in Quantitative Proteinuria from Baseline





Week 48: Changes in Spine and Hip Bone Mineral Density (BMD)





Week 48: Changes in Lipid Parameters

| Median Change from Baseline to Week 48 | EVG/COBI/TAF/FTC (n = 866) | EVG/COBI/TDF/FTC (n = 867) | P Value |
|---|-------------------------------|-------------------------------|---------|
| Total cholesterol | +29 | +14 | <0.001 |
| LDL | +14 | +5 | <0.001 |
| HDL | +8 | +4 | <0.001 |
| Triglycerides | +19 | +8 | 0.027 |
| Total cholesterol:HDL ratio | +0.1 | +0.1 | 0.84 |



EVG-COBI-TAF-FTC versus EVG-COBI-TDF-FTC Study 104/111: Conclusions

Interpretation: "Through 48 weeks, more than 90% of patients given E/C/F/tenofovir alafenamide or E/C/F/tenofovir disoproxil fumarate had virological success. Renal and bone effects were significantly reduced in patients given E/C/F/tenofovir alafenamide. Although these studies do not have the power to assess clinical safety events such as renal failure and fractures, our data suggest that E/C/F/tenofovir alafenamide will have a favourable long-term renal and bone safety profile."



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