

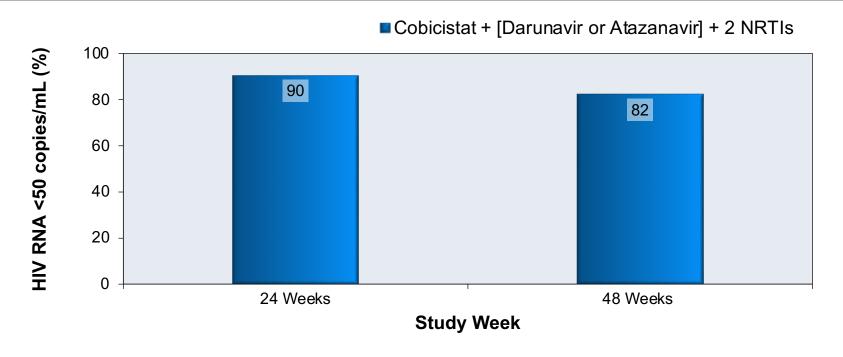
- Background: Phase 3, non-comparative, open label, 2 cohort study to compare the safety and efficacy of switching ritonavir to cobicistat in virologically suppressed adults with HIV infection and mild to moderate renal impairment
- Inclusion Criteria (n = 73)*
 - Antiretroviral treatment-experienced
 - HIV RNA undetectable x 6 months
 - On regimen of 2 NRTIs + ATV/r or DRV/r
 - Stable renal function with CrCl 50 to 89 mL/min
- Treatment Arms
 - Cobicistat 150 mg QD + [Atazanavir 300 mg QD or Darunavir 800 mg QD] + 2 NRTIs

*Note: only ritonavir-to-cobicistat switch cohort presented here

Cobicistat +
Atazanavir or Darunavir
+ 2 NRTIs
(n = 73)

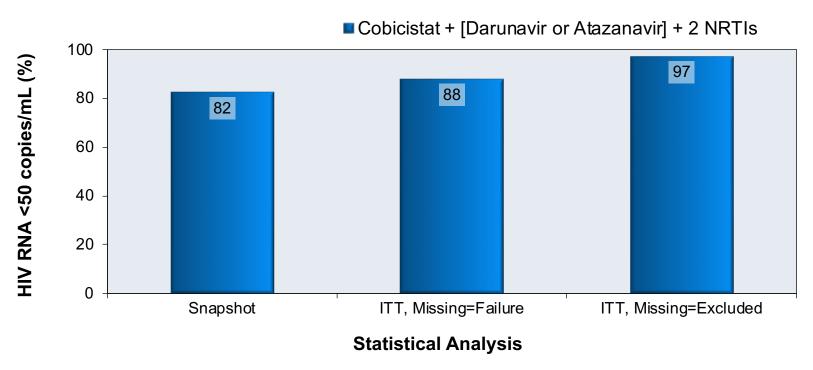


Week 24 and 48: Virologic Response (Snapshot Analysis)

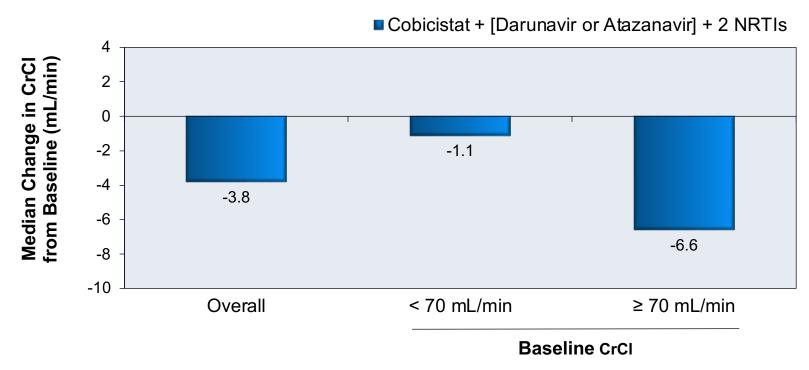




Week 48: Virologic Response, by Different Statistical Analyses



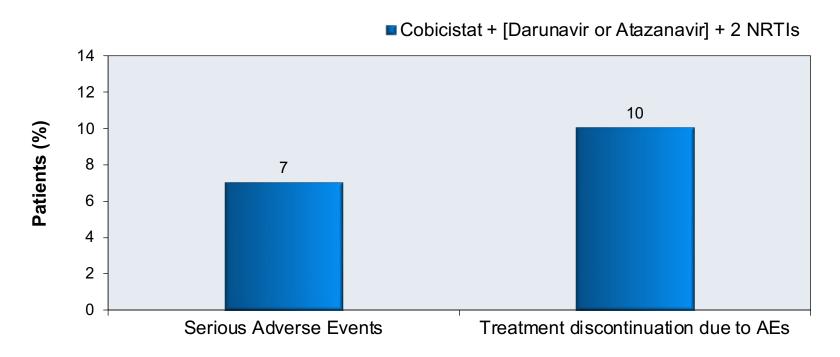
Week 48: Changes in Creatinine Clearance, by Baseline CrCl



Confirmed Renal Laboratory Abnormalities	
Laboratory Value	Cobicistat + [ATV or DRV] + 2 NRTIs (n=73)
Serum creatinine increase ≥ 0.4mg/dL	4.1%
Hypophosphatemia (≥ grade 1 increase)	1.4%
Proteinuria (≥ grade 2 increase)	1.4%
Normoglycemic glycosuria (≥ grade 1 increase)	0



Adverse Events and Treatment Discontinuations





Conclusions: "COBI was noninferior to RTV in combination with ATV plus FTC/TDF at week 48. Both regimens achieved high rates of virologic success. Safety and tolerability profiles of the 2 regimens were comparable. Once-daily COBI is a safe and effective pharmacoenhancer of the protease inhibitor ATV."



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