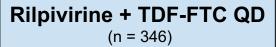
Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC **ECHO Trial**



Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC ECHO: Study Design

- Background: Randomized, double-blind, phase 3 trial comparing rilpivirine and efavirenz in combination with a fixed background regimen consisting of tenofovir DFemtricitabine in treatment-naïve adults with HIV
- Inclusion Criteria (n = 690)
 - Antiretroviral-naïve adults
 - Age ≥18 years
 - HIV RNA ≥5,000 copies/mL
 - No resistance to any study drugs
- Treatment Arms
 - Rilpivirine + Tenofovir DF-Emtricitabine
 - Efavirenz + Tenofovir DF-Emtricitabine

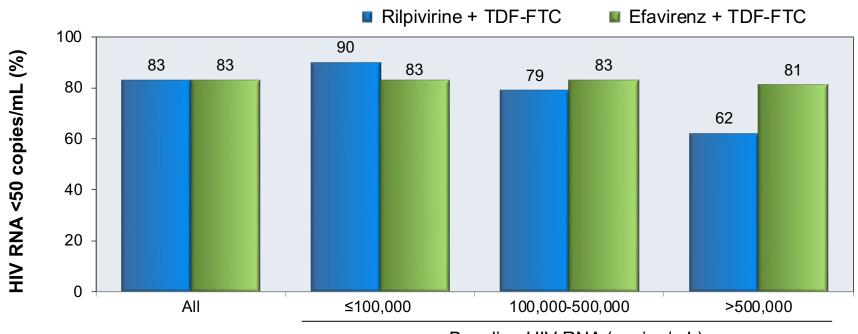


Efavirenz + TDF-FTC QD (n = 344)



Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC ECHO: Results

48 Week Virologic Response (Intention-to-Treat)

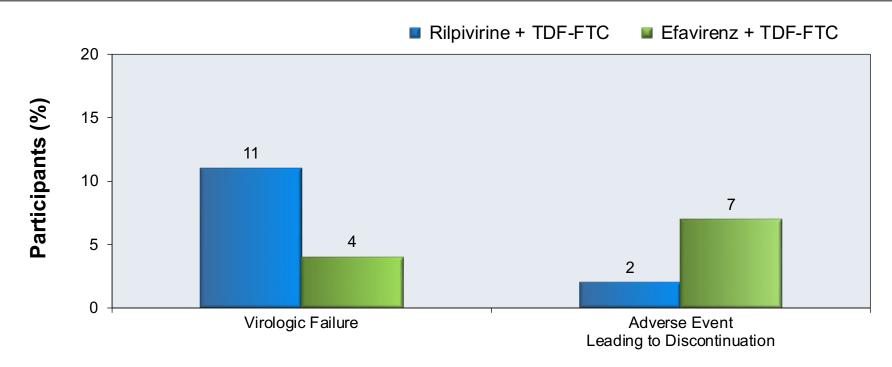


Baseline HIV RNA (copies/mL)



Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC ECHO: Results

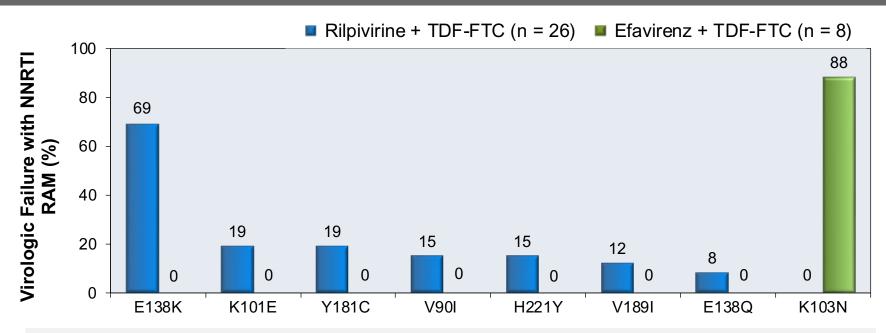
48 Week Virologic Failure and Discontinuations (Intention-to-Treat)





Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC ECHO: Resistance Results

Incidence of NNRTI Resistance Associated Mutations (RAMs)

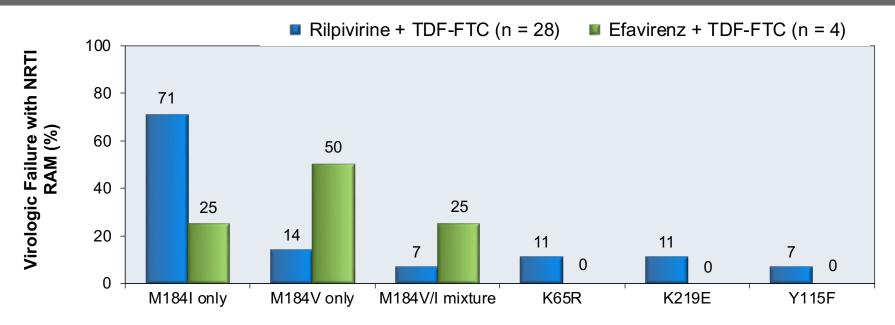


The percentages represent the number of participants who developed each specific NNRTI RAM out of the number of participants who developed any NNRTI RAM in that arm of the trial (the n listed at the top of the graph).



Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC ECHO: Resistance Results

Incidence of NRTI Resistance Associated Mutations (RAMs)



The percentages represent the number of participants who developed each specific NRTI RAM out of the number of participants who developed any NRTI RAM in that arm of the trial (the n listed at the top of the graph).



Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC ECHO: Conclusions

Interpretation: "Rilpivirine showed non-inferior efficacy compared with efavirenz, with a higher virological-failure rate, but a more favourable safety and tolerability profile."



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