Switch from EFV plus ABC-3TC to EFV-TDF-FTC
ROCKET-1 Trial
Switch from EFV + ABC-3TC to EFV-TDF-FTC

ROCKET-1: Design

Study Design: ROCKET Study

• **Background**: Randomized, open label, phase 4 trial to assess the effect on lipid profile of switching from EFV plus ABC-3TC to EFV-TDF-FTC in hypercholesterolemic HIV-infected individuals

- **Inclusion Criteria (n = 157)**
  - Age > 18
  - On EFV plus ABC-3TC for ≥ 3 months
  - HIV RNA < 50 copies/mL
  - Total cholesterol > 200 mg/dL x 2 consecutive tests (at least 4 weeks apart)
  - No resistance to study drugs

- **Treatment Arms**
  - Efavirenz-tenofovir DF-emtricitabine
  - Efavirenz plus abacavir-lamivudine x 12 weeks, then efavirenz-tenofovir DF-emtricitabine

**Immediate switch arm**
EFV-TDF-FTC  
(n = 79)

**Delayed switch arm**
EFV + ABC-3TC x 12 weeks, then EFV-TDF-FTC  
(n = 78)

Switch from EFV + ABC-3TC to EFV-TDF-FTC

ROCKET-1: Result

Week 12: Virologic Response (Intent-to-Treat Analysis)

Switch from EFV + ABC-3TC to EFV-TDF-FTC
ROCKET-1: Result

Week 12: Changes in Lipid Fractions (Treated Analysis Set)

Baseline for Delayed switch arm was reset at week 12 (prior to switch to EFV-TDF-FTC)

Switch from EFV + ABC-3TC to EFV-TDF-FTC

ROCKET-1: Result

Fasting Total Cholesterol by NCEP Thresholds

![Bar chart showing the distribution of patients based on fasting total cholesterol levels at baseline, week 12, and week 24.]

Switch from EFV + ABC-3TC to EFV-TDF-FTC

ROCKET-1: Result

Fasting Total Cholesterol by NCEP Thresholds

- <5.2 mmol/L (desirable)
- 5.2-6.2 mmol/L (borderline)
- > 6.2 mmol/L (above goal)

Switch from EFV + ABC-3TC to EFV-TDF-FTC

ROCKET-1: Result

Fasting Total Cholesterol by NCEP Thresholds

Switch from EFV + ABC-3TC to EFV-FTC-TDF

ROCKET-1: Conclusions

**Interpretation**: “Switching from ABC/3TC+EFV to EFV/FTC/TDF in persons with hypercholesterolemia maintains virological control and significantly improves key lipid parameters.”

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*The content in this slide set does not represent the official views of the U.S. Department of Health and Human Services, Health Resources & Services Administration.*