

Darunavir/r vs. Tipranavir/r in Treatment Experienced
POTENT Trial

Tipranavir/r versus Darunavir/r in Treatment-Experienced POTENT: Study Design

Study Design: POTENT

- **Background:** Randomized, open-label trial to compare the efficacy and safety of ritonavir-boosted tipranavir with ritonavir-boosted darunavir in triple-class treatment-experienced HIV-infected patients with PI resistance
- **Inclusion Criteria (n=39)^**
 - Triple class ARV treatment experience
 - HIV RNA ≥ 500 copies/mL
 - CD4 ≥ 50 cells/mm³
 - Documented resistance to more than one PI
- **Treatment Arms**
 - Tipranavir 500 mg BID + RTV 200 mg BID + OBR*
 - Darunavir 600 mg BID + RTV 100 mg bid + OBR*

**Tipranavir + Ritonavir BID
+ OBR**
(n = 19)

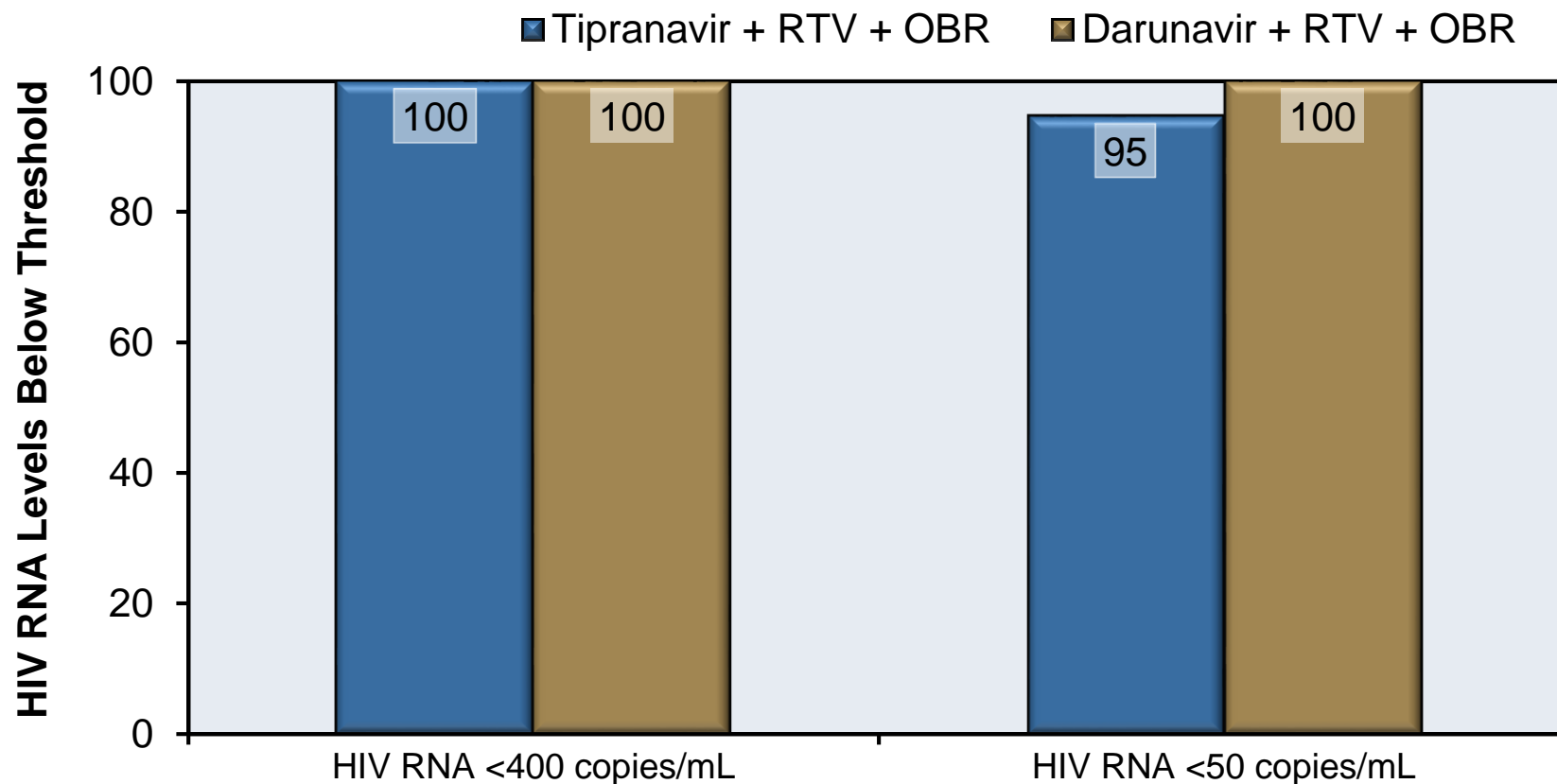
**Darunavir + Ritonavir BID
+ OBR**
(n = 20)

^Trial stopped early due to slow enrollment (only 39/800 randomized)

*OBR = Optimized background regimen: ≥ 2 active antiretroviral agents

Tipranavir/r versus Darunavir/r in Treatment-Experienced POTENT: Result

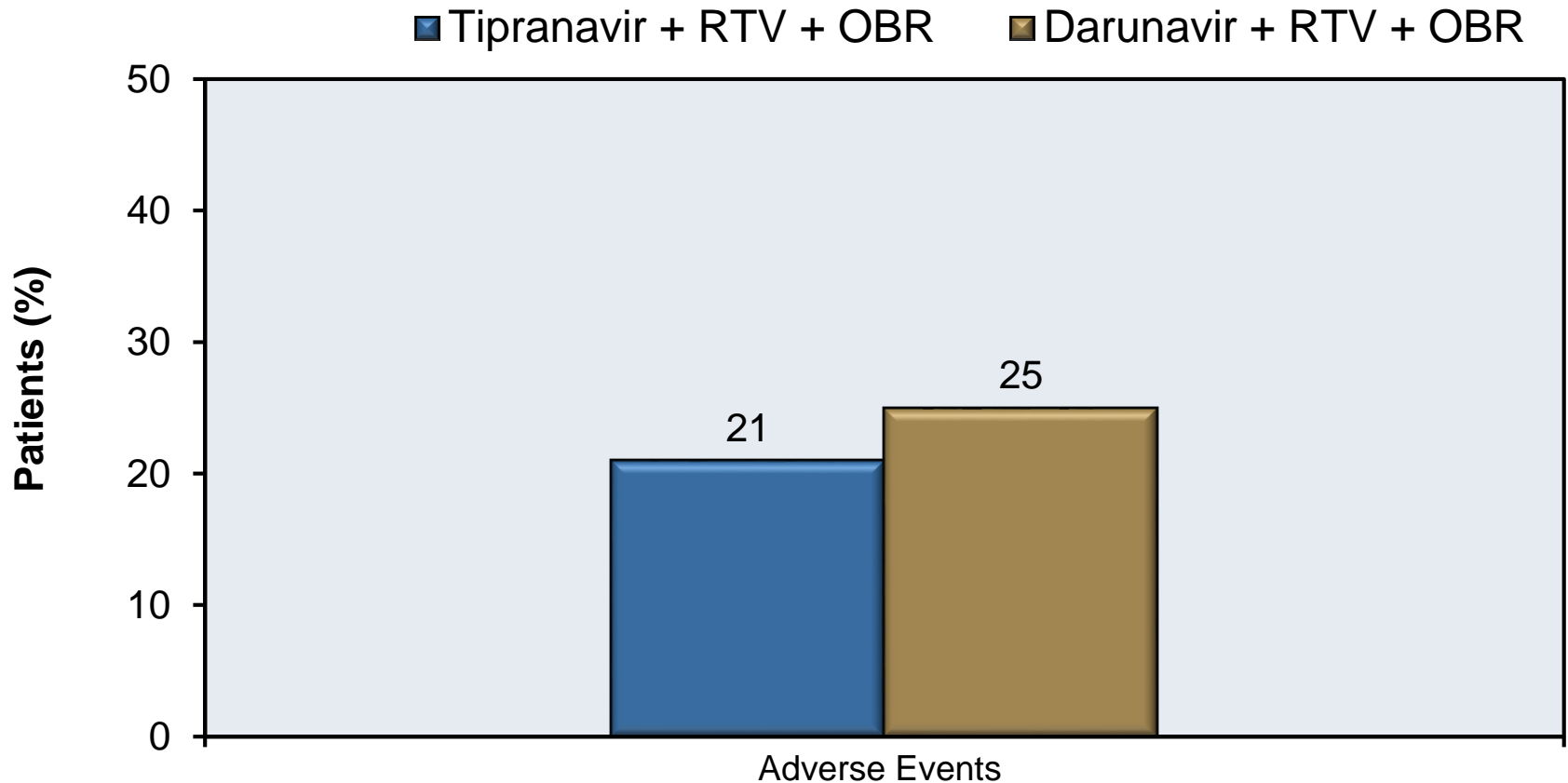
Week 24: Virologic Data



Source: Elgadi MM, et al. *Drugs R D*. 2011;11:295-302.

Tipranavir/r versus Darunavir/r in Treatment-Experienced POTENT: Result

Week 32: Drug-Related Adverse Events



Tipranavir/r versus Darunavir/r in Treatment-Experienced POTENT: Conclusions

Conclusions/Significance: “TPV/r- and DRV/r-based regimens showed similar short-term safety and efficacy. These data support the use of next-generation PIs such as tipranavir or darunavir with novel class antiretroviral agents (integrase inhibitors, CCR5 antagonists, or fusion inhibitors).”

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