Dolutegravir in Patients with Raltegravir-Resistant HIV

VIKING (Cohorts I & II)

Dolutegravir in Patients with Raltegravir Resistance
VIKING Study (Cohorts I & II): Study Design

Day 1	Day 11	Week 24

Functional Monotherapy Phase	Continuation Phase
Cohort I: Dolutegravir: 50 mg QD	**Cohort I**: Dolutegravir: 50 mg QD + OBR
Cohort II: Dolutegravir: 50 mg BID	**Cohort II**: Dolutegravir: 50 mg BID + OBR

Study Design: VIKING

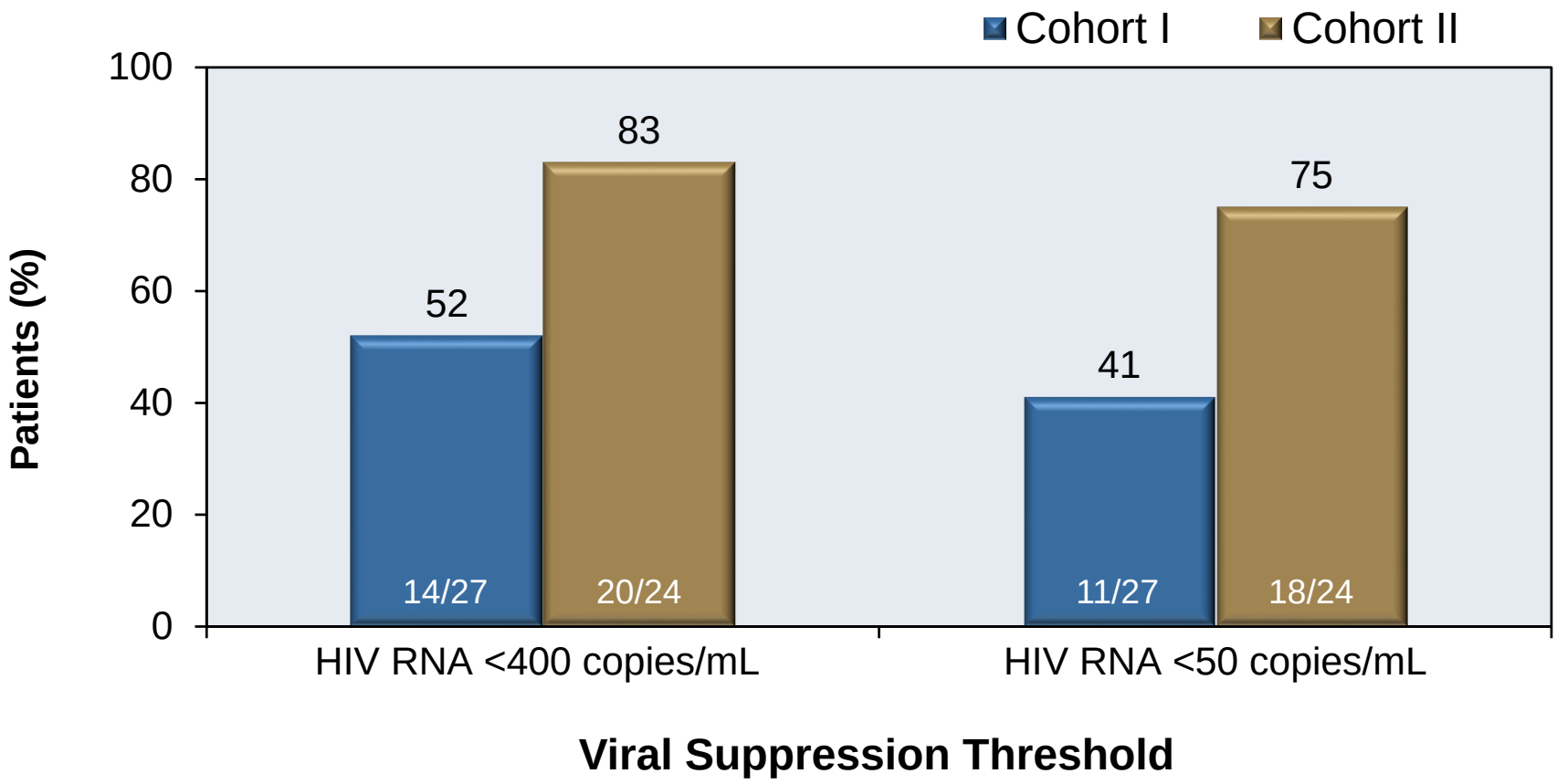
- **Background**: Single-arm, phase 2b trial evaluating efficacy of once daily or twice daily dolutegravir in patients with integrase resistance
- **Inclusion Criteria (n=51)**
  - Age ≥18 years
  - HIV RNA >1,000 copies/mL
  - Documented resistance ≥3 ARV classes, including integrase inhibitors
- **Treatment Arms**
  - Cohort I*: dolutegravir 50 mg once daily
  - Cohort II*: dolutegravir 50 mg twice daily

*Failing regimen continued during day 1-10, then replaced with OBR through week 24

Source: Eron JJ, et al. J Infect Dis. 2013;207:740-8.

Dolutegravir in Patients with Raltegravir Resistance
VIKING Study (Cohorts I & II): Results

Week 24 Virologic Response



Source: Eron JJ, et al. J Infect Dis. 2013;207:740-8.

Dolutegravir in Patients with Raltegravir Resistance
VIKING Study (Cohorts I & II): Conclusions

Conclusion: “Dolutegravir 50 mg twice daily with an optimized background provided greater and more durable benefit than the once-daily regimen. These data are the first clinical demonstration of the activity of any integrase inhibitor in subjects with HIV-1 resistant to raltegravir.”

Source: Eron JJ, et al. J Infect Dis. 2013;207:740-8.

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