

Ibalizumab for Antiretroviral Salvage  
**TMB-301: Study**

# Ibalizumab Added to OBR for Adults Failing ART

## TMB-301: Study Design

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- **Study design:**

- Single-arm, open label study of ibalizumab (IBA) added to optimized background therapy (OBR) for individuals failing ART
- Primary endpoint: proportion achieving  $\geq 0.5 \log_{10}$  decrease in HIV RNA 7 days after initiating IBA therapy (day 14 of study)
- Secondary endpoints: virologic outcomes, safety, and tolerability at 24 weeks

- **Inclusion Criteria:**

- Adults with HIV, on ART for  $\geq 6$  months, HIV RNA  $> 1,000$  copies/mL, and  $\geq 3$  class drug resistance (but  $\geq 1$  remaining active drug)



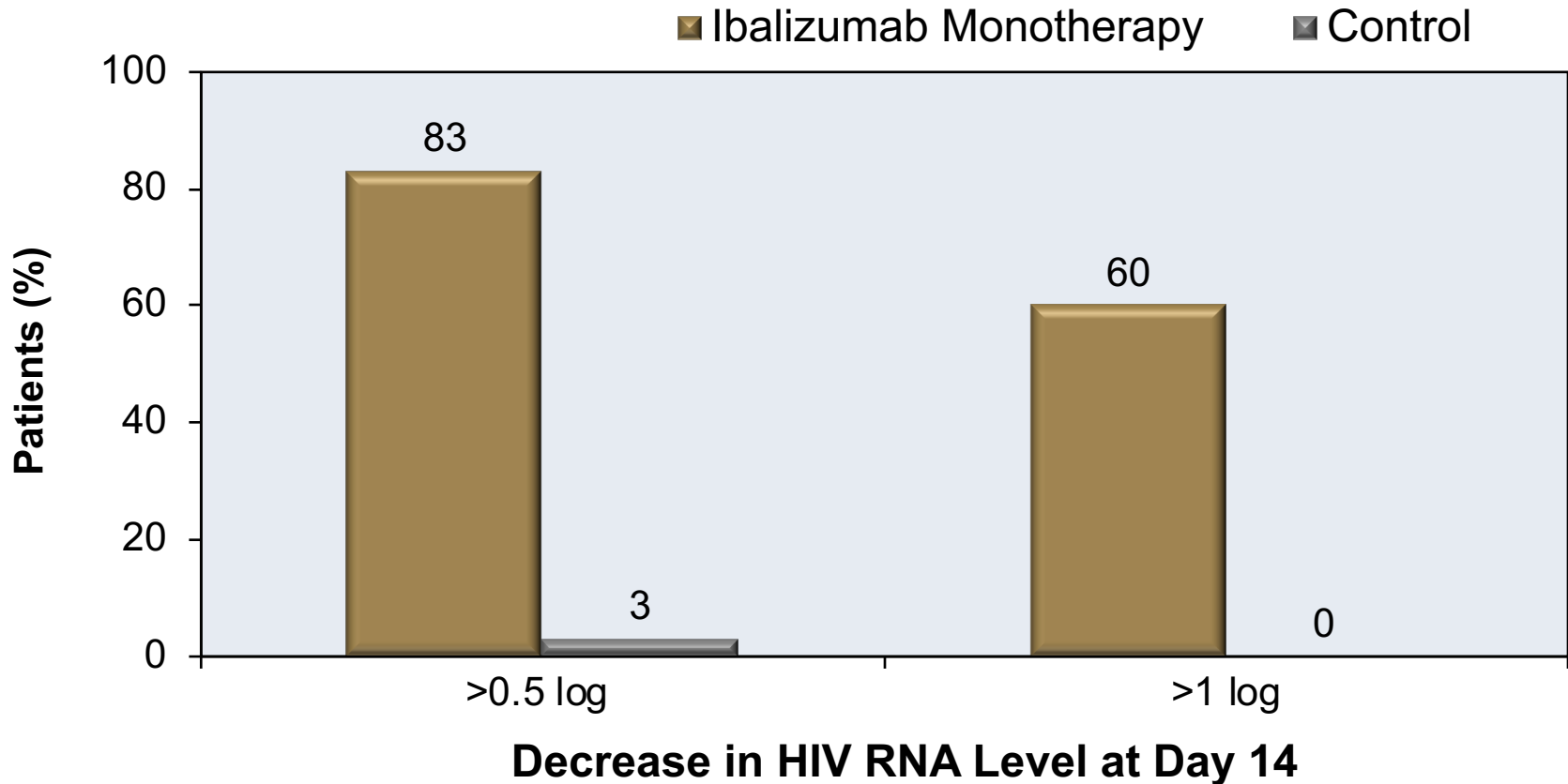
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Baseline Characteristics of the 40 Participants in TMB-301	
Characteristic	N = 40
Median age (range)—years	53 (23-65)
Male	34 (85%)
Non-white	18 (45%)
Mean duration since HIV diagnosis—years	20±8
Mean CD4 count—cells/mm <sup>3</sup>	150±182
Mean HIV RNA—copies/mL)	100,287
Participants with HIV RNA >100,000 copies/mL	7 (18%)

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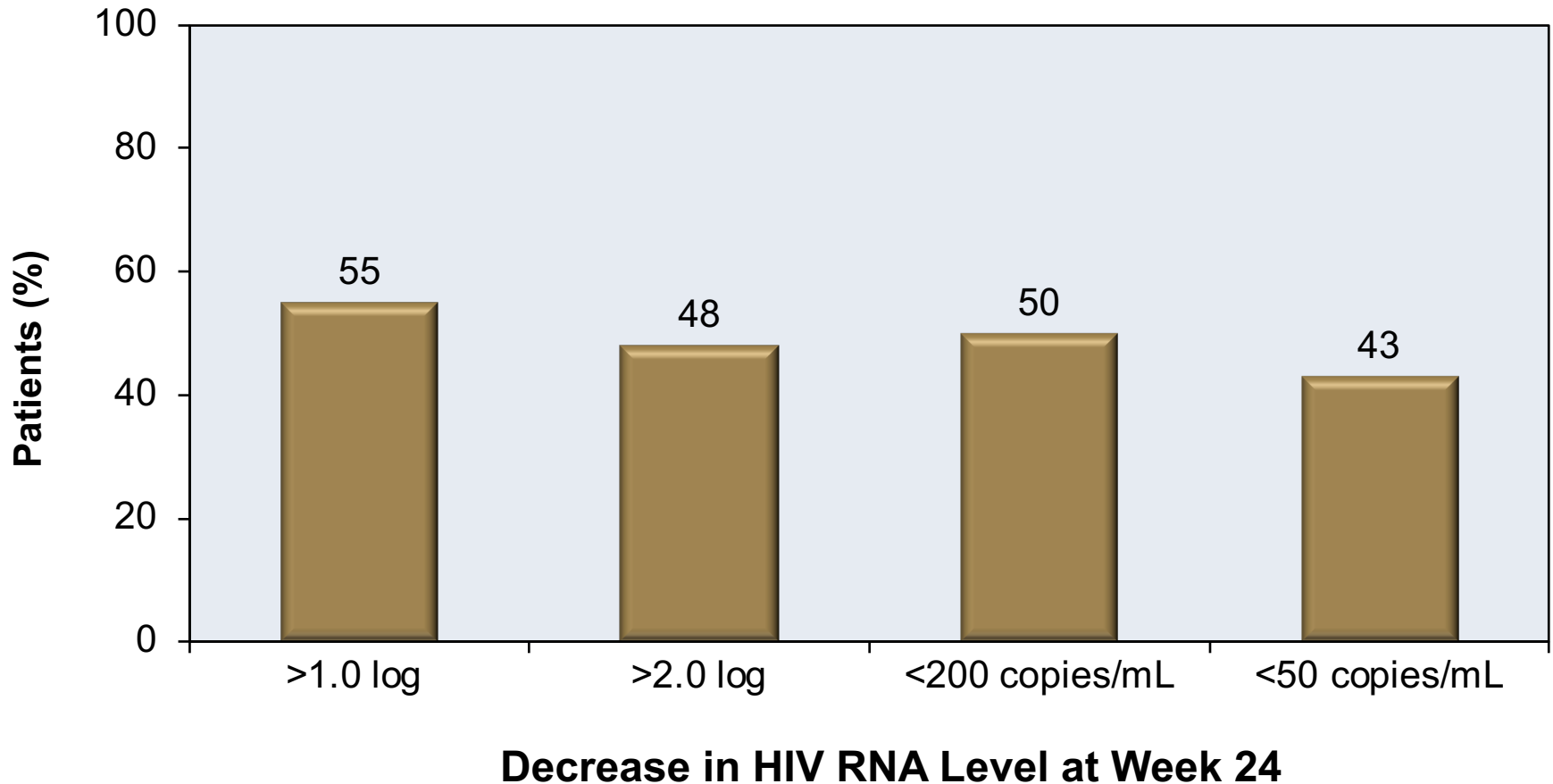
## TMB-301: Efficacy at Day 14



IBA Monotherapy = after 7 days of IBA added to failing ART (functional monotherapy)  
Control = after 7 days of baseline failing ART

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## TMB-301: Efficacy at Week 24

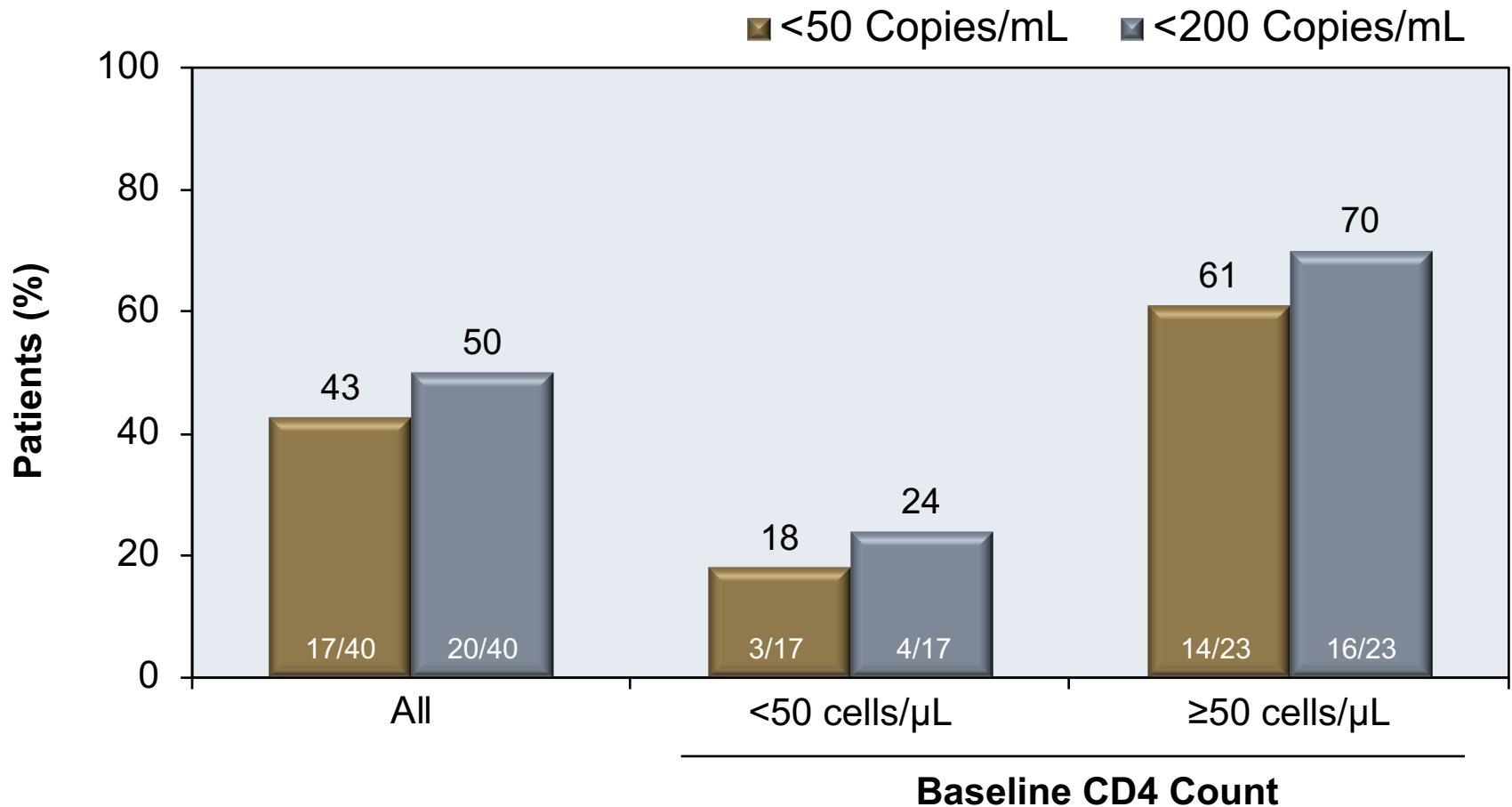


Optimized background regimen (OBR) added at day 14

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## TMB-301: Efficacy at Week 25, by Baseline CD4 Cell Count

Week 25 Virologic Response (Intention-to-Treat Analysis)



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## TMB-301: Efficacy at Week 24

**Conclusions:** “In patients with multidrug-resistant HIV-1 infection who had advanced disease and limited treatment options, ibalizumab had significant antiviral activity during a 25-week study. Evidence of the emergence of diminished ibalizumab susceptibility was observed in vitro in patients who had virologic failure.”

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