Simplification to Atazanavir + Ritonavir + Lamivudine

AtLaS Trial

Simplification to Atazanavir + Ritonavir + Lamivudine
AtLaS: Study Design

Study Design: AtLaS

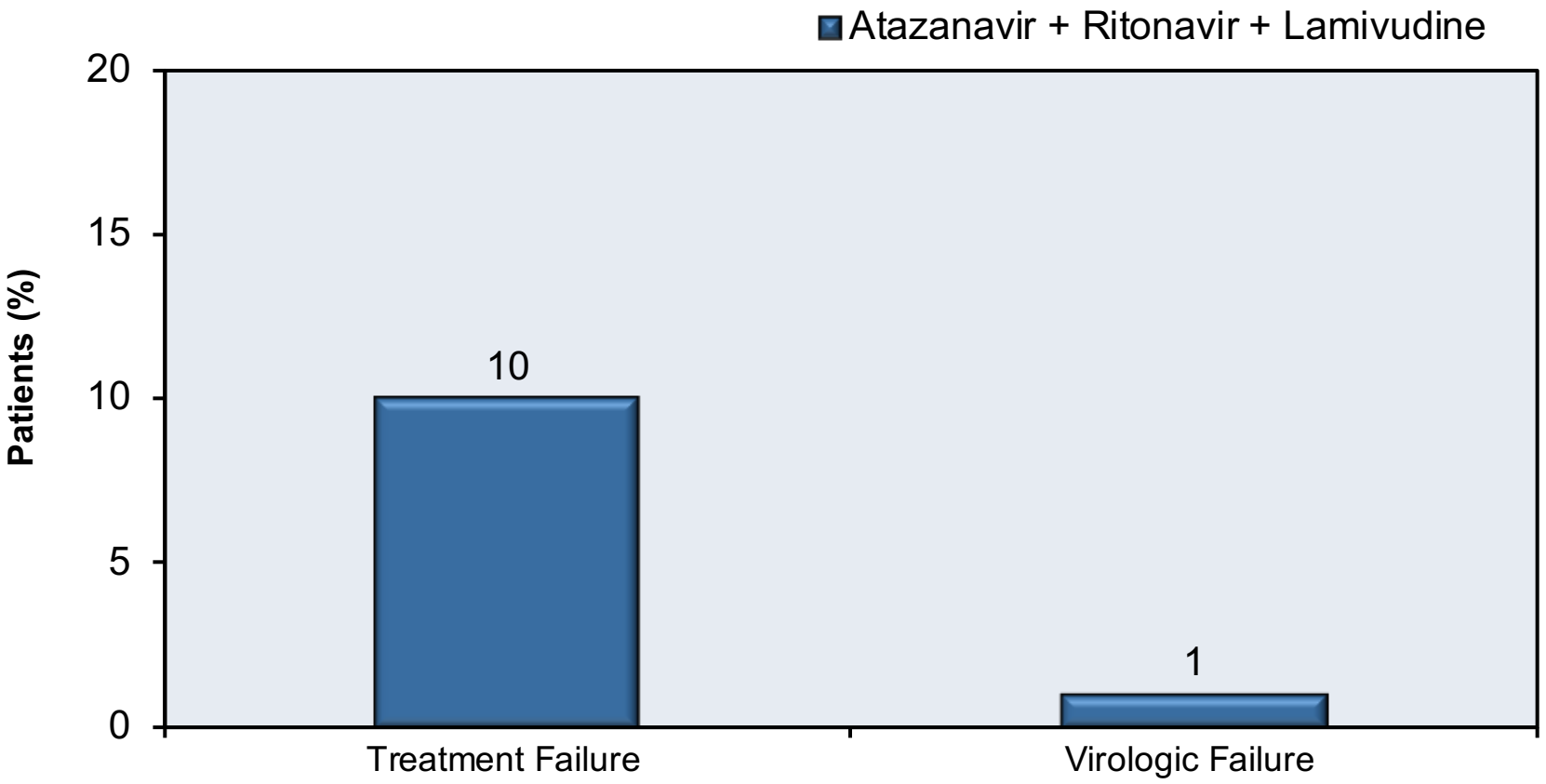
- **Background**: Open-label, single-arm, simplification pilot study evaluating the safety and feasibility of treatment simplification to once-daily ritonavir-boosted atazanavir plus lamivudine in virologically suppressed patients with HIV infection
- **Inclusion Criteria (n=40)**
  - Age ≥18
  - On atazanavir/r + 2NRTIs for ≥6 months
  - Two HIV RNA <50 copies/mL ≥3 months apart
  - CD4 count >200 cells/mm^3 for ≥ 6 months
- **Treatment Arms** (all once daily)
  - Atazanavir 300 mg + Ritonavir 100 mg + Lamivudine 300 mg once daily

→ **Atazanavir + Ritonavir + Lamivudine once daily**
(n = 40)

Source: Di Giambenedetto, et al. J Antimicrob Chemother. 2013;68:1364-72.

Simplification to Atazanavir + Ritonavir + Lamivudine
AtLaS: Results

Week 48: Virologic Response (ITT, Discontinuation = Failure)



Source: Di Giambenedetto, et al. J Antimicrob Chemother. 2013;68:1364-72.

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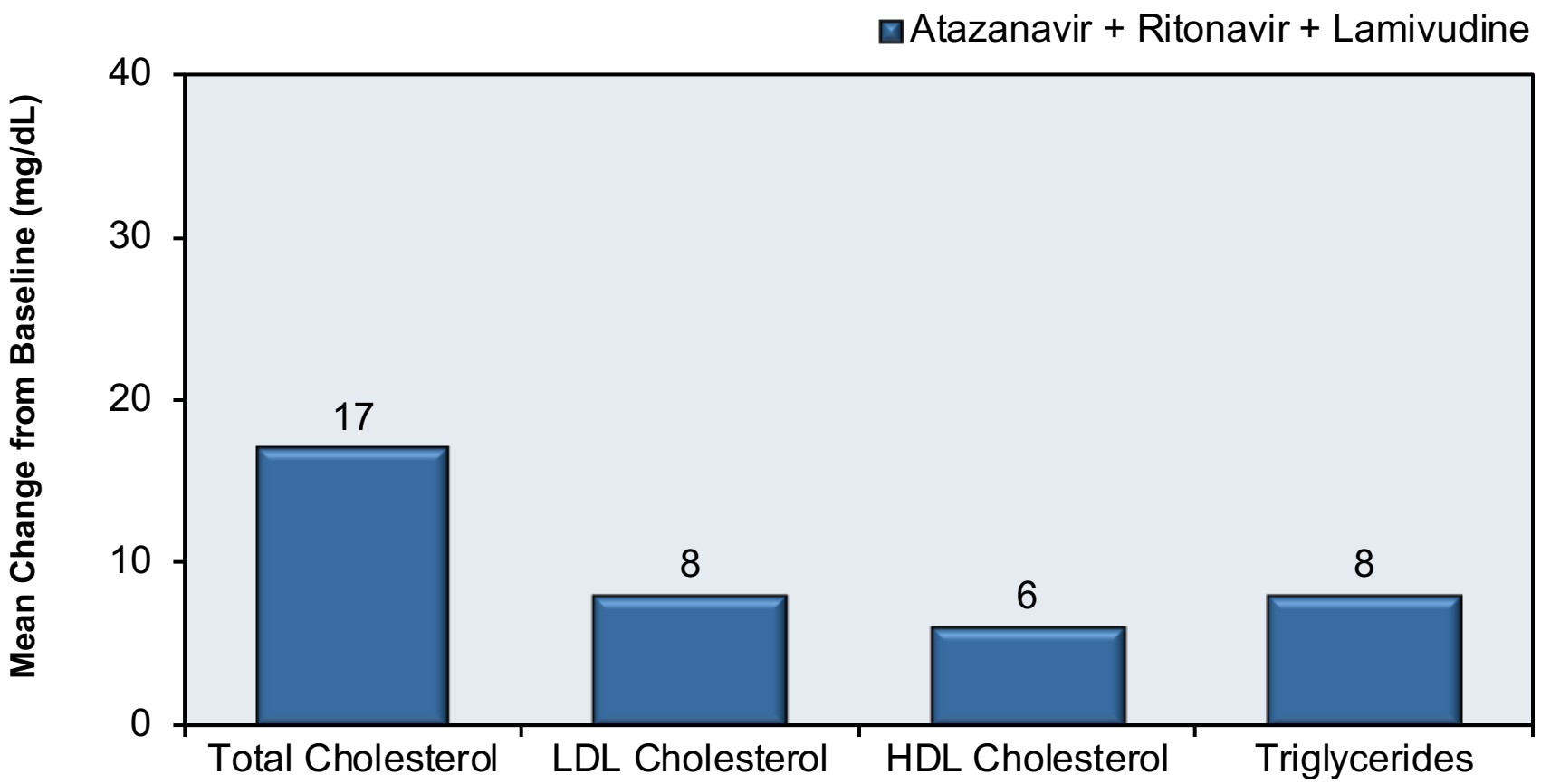
AtLaS: Results

Week 48: Change in Fasting Lipids from Baseline



Source: Di Giambenedetto, et al. J Antimicrob Chemother. 2013;68:1364-72.

Simplification to Atazanavir + Ritonavir + Lamivudine
AtLaS: Conclusions

Conclusion: “Simplification to atazanavir/ritonavir+lamivudine was apparently safe and associated with rare virological failure, without resistance selection. This strategy deserves further investigation in a randomized trial.”

Source: Di Giambenedetto, et al. J Antimicrob Chemother. 2013;68:1364-72.

Acknowledgment

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National HIV Curriculum

AETC AIDS Education & Training Center Program
National Coordinating Resource Center