

COMPREHENSIVE EXPERT REVIEW AND DISCUSSION OF KEY PRESENTATIONS

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SUBGROUP ANALYSES FROM DRIVE-FORWARD, A PHASE 3 TRIAL OF DORAVIRINE VERSUS RITONAVIR-BOOSTED DARUNAVIR IN TREATMENT-NAÏVE HIV-1-INFECTED PARTICIPANTS AT WEEK 48

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Abstract BPD1/4

DRIVE-FORWARD STUDY: DESIGN

- Doravirine is a novel, next-generation, once-daily HIV-1 non-nucleoside reverse transcriptase inhibitor with a unique resistance profile¹ and low potential for drug-drug interactions^{2,3} being developed as a single entity and fixed-dose combination
- Doravirine achieved primary efficacy endpoints in two, Phase 3 trials^{4,5}
 - In DRIVE-FORWARD, doravirine 100 mg once daily had non-inferior efficacy compared with ritonavir-boosted darunavir (100+800mg) when administered with nucleoside reverse transcriptase inhibitors (NRTIs) emtricitabine/tenofovir disoproxil fumarate or abacavir sulfate/lamivudine⁴
- Efficacy and safety of doravirine were further explored in pre-specified subgroups at Week 48

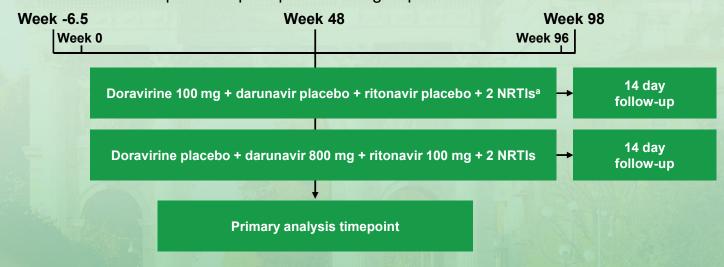
Trial Design

Merck Protocol # MK-1439-018; ClinicalTrials.gov NCT02275780

Margin for non-inferiority: 10%

Key entry criteria:

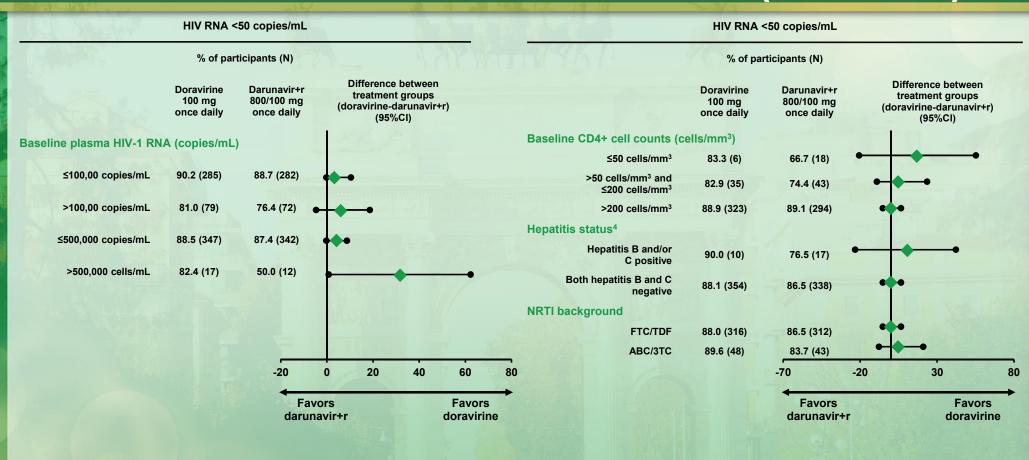
- HIV-1 RNA > 1000 copies/mL within 45 days before Day 1
- ART naïve
- No genotypic resistance to any trial drugs
- Stratification factors: HIV-1 RNA >100,000 copies/mL and NRTI choice

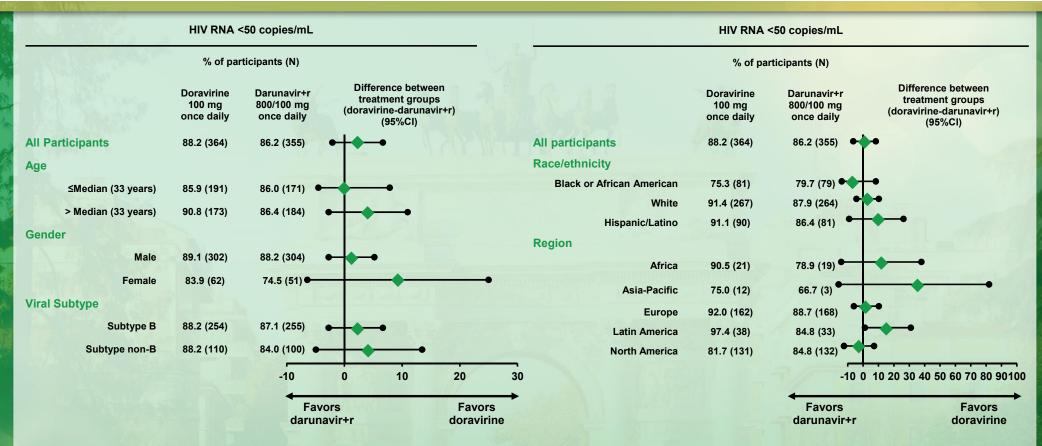


1. Feng M, et al. Antimicrob Agents Chemother. 2016;60:2241-2247. 2. Anderson MS, et al. Antivir Ther. 2015;20:397-405. 3. Khalilieh S, et al. Poster presented at IAS 2017. 4. Molina JM, et al. Abstract presented at CROI 2017. 5. Squires KE, et al. Abstract presented at IAS 2017.

Molina JM, et al; 16th EACS, Milan, Italy, October 25-27, 2017; Abst. BPD1/4.

DRIVE-FORWARD STUDY: SUBGROUP ANALYSIS DOR VS DRV/R (+2 NRTIS)





- Doravirine 100 mg once daily was generally well-tolerated regardless of race, ethnicity, gender or hepatitis B/C co-infection status
 - The safety profile of doravirine was similar to that of darunavir+r

Summary:

These findings highlight the consistent efficacy and safety of doravirine 100 mg once daily compared with darunavir+r, both given with 2 NRTIs, across baseline demographic and prognostic factors