ARV Therapies and Therapeutic Strategies INDEPENDENT REPORTING ON CROI 2017

## **Comprehensive Expert Review and Discussion of Key Presentations**

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# DORAVIRINE IS NON-INFERIOR TO DARUNAVIR+RITONAVIR IN PHASE 3 TREATMENT-NAÏVE TRIAL AT WEEK 48

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Abstract 45LB





### DOR vs DRV in Treatment-Naïve: Baseline Characteristics

	DOR (N=383)	DRV+r (N=383)	
Mean age (SD), years	34.8 (10.5)	35.7 (10.7)	
Male	83% 85%		
Black/African American	22% 23%		
Clinical history of AIDS	9% 10%		
HIV-1 subtype B	<b>69%</b> 71%		
Baseline HIV-1 RNA		A starting and the start of the	
Mean (SD), log <sub>10</sub> copies/mL	4.4 (0.7) 4.4 (0.7)		
> 100,000 copies/mL	22%	19%	
> 500,000 copies/mL	4%	3%	
Baseline CD4+ T-cell Count			
Mean (SD), cells/mm <sup>3</sup>	433 (208) 412 (230)		
≤ 200 cells/mm³	11%	17%	
NRTIs Selected for Use with Blinded Therapy			
TDF/FTC	87% 88%		
ABC/3TC	13%	13%	
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#### DOR vs DRV in Treatment-Naïve: Resistance

	NUMBER OF THE OWNER					
No drug resistance observed in patients with PDVF through Week 48						
	DOR (N=383)	DRV+r (N=383)				
Patients with PDVF <sup>i</sup> , n (%)	19 (5.0%)	24 (6.3%)				
Genotype test successfully performed, n	7	8				
Primary DOR Resistance	0	0				
Primary NRTI resistance	0	0				
Primary PI resistance	0	0				
Phenotype test successfully performed, n	6	8				
With any phenotypic drug resistance	0	0				

 One participant discontinued due to noncompliance at Week 24 and developed DOR resistance (RT V106I, and F227C; >90-fold increased IC<sub>50</sub>) and FTC resistance (RT m184V)

One participant discontinued due to rash at Week 2 and had DOR IC50 fold change 2.8 from WT (assay resistance cutoff of 2.5), but no genotypic resistance

I Protocol defined virologic failure (PDVF): Confirmed HIV-1 RNA ≥ 50 c/mL after initial response of HIV-1 RNA <50 c/mL; or confirmed HIV-1 RNA ≥ 200 c/mL at Week 24 or Week 36; or confirmed HIV-1 RNA > 50 copies/mL at Week 48.

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## DOR vs DRV in Treatment-Naïve: Clinical Adverse Events

	DOR	(N=383)	DRV+r (N=383)	
	n n	(%)	n	(%)
One or more AE	307	(80%)	300	(78%)
Drug-related AE	117	(31%)	123	(32%)
Serious AE	19	(5%)	23	(6%)
Discontinued due to AE	6	(2%)	12	(3%)
Most Common AE's (≥ 10% in either group)				
Diarrhea	54	(14%)	86	(22%)
Nausea	41	(11%)	46	(12%)
Nasopharyngitis	30	( 8%)	39	(10%)
Headache	53	(14%)	41	(11%)
AEs of Clinical Interest				
Rash <sup>†</sup>	28	(7%)	32	(8%)
Neuropsychiatric <sup>‡</sup>	44	(11%)	50	(13%)

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