# In Case You Missed It: Updates from **Recent Publications and Meetings**

### Roger Bedimo, MD

Financial Relationships With Ineligible Companies (Formerly Described as Commercial Interests by the ACCME) Within the Last 2 Years:

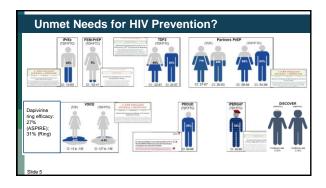
Dr Bedimo has received research funding from ViiV Healthcare and serves on the Scientific Advisory Board for Merck & Co., Inc., ViiV Healthcare, and Gilead Sciences, Inc., and Theratechnologies. (Updated 11/2/21)

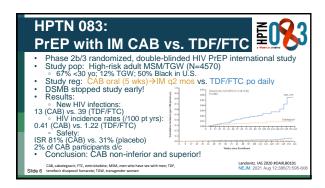
### **Outline**

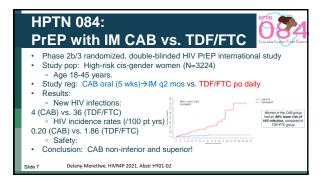
- Strategies for HIV prevention
  - HPTN 083/ HPTN 084
  - Newer Long-Acting Options
- · Strategies for antiretroviral-naïve people living with HIV
- TAF/FTC, DTG during pregnancy (IMPAACT 2010/VESTED)
- · Strategies for treatment-experienced people living with HIV DTG vs. DRV/r (NADIA study)
- Metabolic complications in people living with HIV

   Weight Change with ARV Switch
- Cancer Prevention in people living with HIV ANCHOR trial
- Challenges in prevention of COVID-19 in immunosuppressed
- Do people with HIV respond well to COVID-19 vaccines?

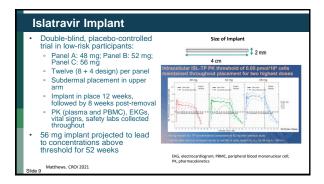
HIV/	COVID-19	and Sexually	Transmitted	Infections:	Undate and	<b>Implications</b>	for Practice	<ul> <li>November 5</li> </ul>	202

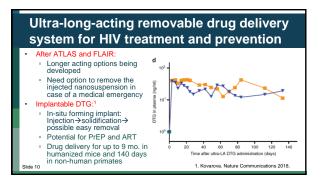






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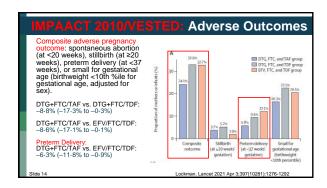


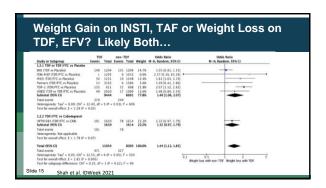


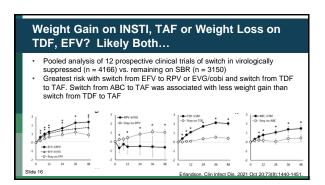
# Unmet Needs for Treatment Experienced with Current Antiretroviral Options? • After Failure of NNRTI-based Therapy: • INSTI-based ART in treatment-experienced. Efficacy vs. PI-based ART? Despite NRTI resistance?: • SECOND LINE: RAL + 2 NRTIs non-inferior to LPV/RTV + 2 NRTIs.¹ • EARNEST: RAL + 2 NRTIs non-inferior to RAL + PI; sup to PI mono.² • DAWNING: DTG + 2 NRTIs superior to LPV/RTV.³ • NADIA Trial:⁴ • More contemporary PI; Second-line INSTI; • 464 participants failing first-line NNRTI-based therapy • DTG vs. DRV/RTV each with TDF/RTC or ZDV/3TC • At baseline: 50% had K65R and 86% had M184V • Excellent virologic response at wk 48: DTG: 90.2%, DRV/r: 91.7% (diff. -1.5; 95% C1: -6.7 to 3.7; P=0.58) • I. Lancet 2013; 381: 2091-999. 2 Paton. N Engl J Med 2014; 371: 234–47; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–47; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–47; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–37; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–37; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–37; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–37; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–37; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–37; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–37; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–37; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–37; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–37; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–37; 3. Aboud. Lancet Infect De 2019; 19: 238-64; 4. Paton. N Engl J Med 2014; 371: 234–37; 3. Aboud. Lancet Infect De 2019; 19: 238-

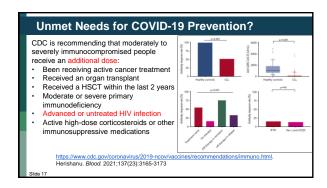
Subgroup	Dolutegravir so of nations	Darunavir s/total no. (%)		Diffe	rence in	Percenta	ge Points	(95% CI)
NRTI randomization group		dreem ver frod						
Tenofovir	108/118 (91.5)	107/115 (93.0)		_				-1.5 (-8.4 to 5.3)
Zidovudine	104/117 (88.9)	103/114 (90.4)				_		-1.5 (-9.3 to 6.4)
riral load at baseline								
<100,000 copies/ml	153/169 (90.5)	154/167 (92.2)			-			-1.7 (-7.7 to 4.3)
≥100,000 copies/ml	59/66 (89.4)	56/62 (90.3)		-		_		-0.9 (-11.4 to 9.5)
D4+ cell count at baseline								
<200 cell/mm3	112/125 (89.6)	108/113 (95.6)	- 0	-	+			-6.0 (-12.5 to 0.6)
≥200 cell/mm <sup>3</sup>	100/110 (90.9)	102/116 (87.9)		_		_		3.0 (-5.0 to 11.0)
ex								
Male	87/95 (91.6)	77/87 (88.5)		-	-	_		3.1 (-5.7 to 11.8)
Female	125/140 (89.3)	133/142 (93.8)		_	-			-4.4 (-10.9 to 2.1)
No. of predicted active NRTIs								
0	85/92 (92.4)	75/80 (93.8)				-		-1.3 (-8.9 to 6.2)
1	107/118 (90.7)	116/122 (95.1)		-	-			-4.4 (-10.9 to 2.1)
≥2	13/18 (72.2)	15/23 (65.2)	_		_	•		7.0 (-21.4 to 35.4)
			-20	-10	0	10	20	30

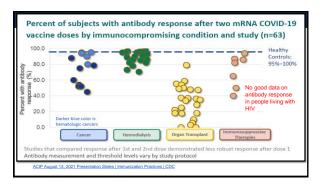
### **Unmet Needs for ART in Pregnancy?** Prompt ART crucial to optimize maternal outcomes and prevent MTCT: No adequate data on safety and efficacy of Dolutegravir or Tenofovir alafenamide during pregnancy IMPAACT 2010/VESTED Trial: ∘ ≥14 weeks of pregnancy; no previous ART DTG + TAF/FTC vs. DTG + TDF/FTC vs. EFV/TDF/FTC Viral Suppression at Delivery: HIV-1 RNA < 200 copies per mL 395/405 (98%) 389/399 (98%) 389/432 (90%) 171/187 (91%) 171/211 (81%) 6.0% (1.6-10-3) 9.0% (3.0-15-0) DA snapshot algorithm† Lockman. Lancet 2021 Apr 3;397(10281):1276-1292

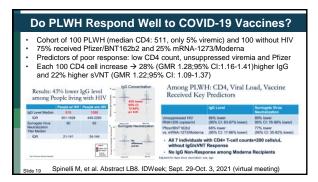












# **Treating Anal Cancer Precursor Lesions Reduces Cancer Risk for People With HIV** 4446 PLWH with high-grade squamous intraepithelial lesions (HSIL) randomized to either HSIL treatment or active monitoring. 1 clinical sites around the United States Treatment arm: HRA-guided ablative therapy (most patients) or topical (imiquimod thrice weekly x 16 wks, fluorouracil bid x 5d then q2 wks x 16 wks, or trichloroacetic acid q 3 weeks x 12 wks) Treatment arm: recurrent HSIL were re-treated; active monitoring arm: watched closely with HRA and yearly biopsy to check for progression to ASCC. All participants received HRA q 6 months, and rates of anal squamous cell cancer compared b/w groups. "Chances of progression to anal cancer were significantly reduced"<sup>2,3</sup> https://www.clinicaltrials.gov NCT 02135419 https://ansociety.org. Accessed October 8, 2021 Goldstone. Diseases of the Colon & Rectum: November 1, 2021 Acknowledgments Raj Gandhi Trip Gulick **Question-and-Answer Session**