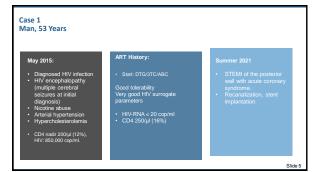
When and How To Switch Clara Lehmann, MD German Center For Infectious Research University of Cologne Cologne, Germany 1 Financial Relationships With Ineligible Companies (Formerly Described as Commercial Interests by the ACCME) Within the Last 2 Years: Dr Lehmann has no relevant financial relationships with ineligible companies to disclose. (Updated 12/14/22) 2 **Learning Objectives** After attending this presentation, learners will be able to: · Switch antiretroviral therapy (ART) in the setting of viral suppression Switch ART to long-acting cabotegravir and rilpivirine · Switch ART for virologic failure

Should I simplify an initial regimen?



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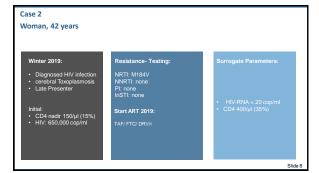
ARS Question 1: What would you do?

- A. Continue his current ARTB. Change his ABC/3TC to TAF / FTC containing regimen
- C. Change to DTG/3TC
- D. Some other option

Can I switch patients with viral suppression in the setting of M184V or K65R mutations

Slide 7

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ARS Question 2: What would you propose?

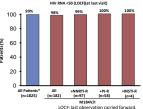
- A. TDF / 3TC/DOR
- B. FTC/TAF/BIC
- C. FTC/TAF/DRV/c
- D. TAF/FTC/DTG

E. Other option

Slide 9

High Efficacy of Switching to Bictegravir/FTC/TAF with Suppressed HIV and pre-existing M184V/I

- Pooled data from 6 trials in which PWH and virologic suppression switched to B/F/TAF (n=1825 with baseline data)
- B/F/TAF (n=1825 with baseline data)
 Preexisting M184V/I identified in 182 participants (10%)
- 98% of participants with preexisting M184V/I maintained viral suppression



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Should I switch to Long-acting Cabotegravir and Rilpivirine?

Slide 11

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CASE 3 AR, WOMEN 59 YEARS, KENYA		
May 2002: Diagnosed HIV infection Cured hepatitis Arterial hypertension Hypercholesterolemia	ART History: 03/05-08/05: AZT/3TC + CCR5 (Study) 08/05-03/10: ART break 03/10-05/15: EPY/TDF/FTC 05/15-03/16: DF/FTC/RPV Since 09/16: FTC/RF/PV Good tolerability Very good Hilv surrogate parameters (09/21) HIK/RNA < 20 cpp/ml CD4 400/µl (35%)	Concomitant-Medication: Candesartan 8 mg 1-0-0 Altovastatin 20mg 1-0-0 Spring-Summer 2021: Complaints about taking medication every day
		Slide 12

ARS Question 3: At this point what would you propose?

- A. Talk to her and keep her on her current Rx (FTC/TAF/RPV)
- B. Resistance analysis on proviral HIV level
- C. CAB / RPV i.m.
- D. Some other option

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LONG ACTING CABOTEGRAVIR (CAB) AND RILPIVIRINE (RPV)

Indication

Approved for treatment only in combination in patients

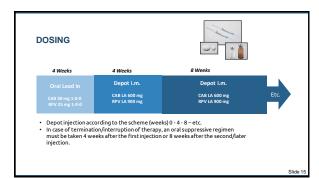
- Who are currently virologically suppressed on a stable antiretroviral regimen (HIV-1 RNA < 50 copies/mL)
- Without current or historically documented resistance to the NNRTI or INI class of drugs
- Without a history of virologic failure to NNRTI- and INI-class agents.

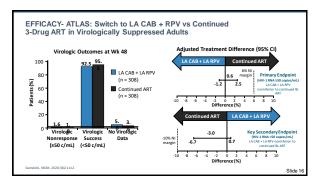
Contraindications

- $\bullet\,$ Active HBV infection unless also receiving an oral HBV active regimen
- Pregnancy or plans to become pregnant
- Receiving medications with significant drug interactions with CAB or RPV

Slide 14

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How do I manage virologic failure ?

Slide 1

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ARS Question 4: At this point which regimen would you choose?

- A. TDF/3TC/DTG
- B. ABC/3TC/DTG
- C. TDF / 3TC / DRV/r
- D. FTC/TAF/BIC
- E. Some other option

Slide 19

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NADIA: 2nd-Line ART after NNRTI Failure Participants with virologic failure on TDF/3TC/NNRTI (n=464) - Randomized to switch to DTG or DRV/r with either TDF/3TC or AZT/3TC - Study participants: - CD4 2000 51% VL 2100,000 28% - Resistance: KGRRN 50% M184V: 88% - DT0 + 2 NRTI non-Indirect to DRV/r 2 NRTIs - High rate of suppression even when no NRTIs predicted to be achieved to the control of the DRV/r 100 group developed resistance; no resistance in the DRV/r group

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Conclusions

- Persons with suppressed virus and no history of transmitted or acquired HIV drug resistance can generally switch therapy to any of the recommended initial regimens (BIC/TAF/FTC, DTG plus TXF/XTC or DTG/3TC) and maintain viral suppression.
- In persons with viral suppression switching to DTG plus 2 nRTIs or BIC/FTC/TAF, even in the setting of likely or proven nRTI resistance (M184V and K65R mutations) is safe.
- 2-drug regimens (DTG/3TC or DTG/RPV): unless there is documented or suspected history
 of treatment failure, proviral resistance testing is not required prior to switching to 2-drug
 therapy, even if there is no available pretreatment resistance test result (evidence rating: BII)
- Long-acting CAB + RPV is safe and effective ART for PLWH with proven viral suppression for at least 3 months and no history of treatment failure and no known or suspected resistance to CAB or RPV

Slide 2

