### Efavirenz versus Lopinavir-Ritonavir, with ABC-3TC LAKE Trial



# Efavirenz versus Lopinavir-Ritonavir, with ABC-3TC LAKE: Study Design

### Study Design: LAKE

• **Background**: Randomized study to compare the long-term efficacy and safety of efavirenz and lopinavir-ritonavir, each in combination with co-formulated abacavir-lamivudine, in antiretroviral-naïve adults with HIV

#### Inclusion Criteria (n = 126)

- Age ≥18 years
- Antiretroviral-naïve
- No recent opportunistic infection
- No CD4 count or HIV RNA restrictions
- HLA\*B5701 testing not available at time of study
- Treatment Arms
  - Efavirenz 600 mg QD + ABC-3TC QD
  - Lopinavir-RTV 400/100 mg BID + ABC-3TC QD





# Efavirenz versus Lopinavir-Ritonavir, with ABC-3TC LAKE: Results

#### Week 48: Virologic Response





# Efavirenz versus Lopinavir-Ritonavir, with ABC-3TC LAKE: Results

Week 48: Virologic Response, by Baseline CD4 count (OT analysis)



#### Baseline CD4 Count cells/mm<sup>3</sup>



## Efavirenz versus Lopinavir/r, with ABC-3TC LAKE: Conclusions

**Conclusions**: "Similar virological efficacy was observed for efavirenz and lopinavir/r, when administered with abacavir-lamivudine in antiretroviral-naïve patients, while immunological improvement was slightly superior for efavirenz. The higher rate of discontinuation due to toxicity in the efavirenz group was related to a higher incidence of hypersensitivity reaction. Nowadays, the use of the new formulation of lopinavir/r and the HLA-B\*5701 genotype test before starting abacavir should improve the safety profiles of these regimens."



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