

A COMPARISON OF RENAL FUNCTION CHANGES ASSOCIATED WITH TENOFOVIR IN HIV-INFECTED AFRICAN AMERICAN PATIENTS VERSUS THOSE OF OTHER ETHNIC GROUPS (A1), Cheng-Kin Lao, Cristina Gruta, Jennifer Cocohoba, Malcolm John. UCSF Medical Center, San Francisco, CA (cheng.lao@ucsf.edu) IRB approval pending.

The potential effects of tenofovir (TDF) on renal function have been assessed in multiple clinical trials and case studies but there are limited data looking at the influence of ethnicity on TDF-related renal impairment. The objective of this retrospective study was to compare the mean changes in creatinine clearance associated with TDF between African American and non-African-American HIV-infected patients. The study included HIV-positive patients who were prescribed TDF at 360: The Positive Care Center and Womens HIV program at UCSF for at least one year during the period from 1 July 2001 to 31 January 2009. Data were collected by reviewing electronic and paper medical records. Paired Student's t-test was used to compare the mean changes in creatinine clearance from baseline between two groups. Secondary measurements included the incidence of TDF discontinuation secondary to renal toxicity, the incidence of grade 2 to 4 serum creatinine elevations and hypophosphatemia in both groups. Multivariate logistic regression was used to adjust for confounding variables in the final analysis. The results will be discussed.