Inflammation and depression in HIV

Jonathan L. Chang, MD, MPH
Resident Physician, Brigham and Women’s Hospital

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AIDS 2018

Inflammation in PLHIV on ART

Cardiovascular disease
Metabolic disease
Bone disease
Cognitive impairment

AIDS 2018

Inflammation in PLHIV on ART

- Cardiovascular disease
- Metabolic disease
- Bone disease
- Cognitive impairment
- Depression

Depression affects every step of the cascade


Graphic courtesy of Dr. Michael Remien via Dr. Tobias Rinke de Wit
453 Ugandan adults initiating ART from 2005-2013
Models adjusted for age, sex, BMI, marital status, education, asset index, baseline depressive symptom score, CD4+ count, viral load suppression, tuberculosis co-infection, time on ART, year of enrollment, heavy drinking, and smoking.
Take-away points

• Additional measures, beyond suppressive ART, may be necessary to reduce mental health disturbances in persons living with HIV

• Interventions targeting KT ratio and sCD14-mediated pathways may decrease risk of depression in PLHIV
References


