

عنوان مقاله:

Metabolic Abnormalities in HIV-Positive Patients Receiving Highly Active Antiretroviral Therapy

محل انتشار:

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خلاصه مقاله:

Background and Objective: Dyslipidemia has become a common problem in human immunodeficiency virus (HIV) disease, especially in patients on combination antiretroviral therapy. In this study we aimed to determine the prevalence of dyslipidemia and metabolic abnormalities in 2 groups of HIV infected patients receiving highly active antiretroviral therapy (HAART) and antiretroviral-naïve patients. **Patients and Methods:** Forty HIV infected patients treated by HAART as a case group (6 females and 34 males) with a mean age of 40.7 ± 10 years and 15 HIV naïve as a control group (2 females and 13 males) with a mean age of 38.40 ± 8.3 enrolled in this study. The two groups were well matched in respect to age, sex and CD4 cell counts. A standardized questionnaire with epidemiological, clinical, and therapeutic data was completed by physicians. Blood samples were obtained for metabolic measurements. CD4 positive cell count was measured by flow cytometry. **Results:** Levels of total cholesterol, triglycerides, LDL, HDL, lactate, and FBS were elevated in 24%, 37%, 3.7%, 44.4%, 29.6% and 11% of patients respectively. There was a significant difference regarding mean total cholesterol and LDL between treated group and controls ($p < 0.05$). There was also no significant difference between treated group and controls regarding triglyceride, HDL, lactate and FBS levels. **Conclusion:** Our study demonstrated that metabolic abnormalities are relatively common in HIV-infected patients receiving HAART. Therefore, it is recommended to screen the HIV infected patients on HAART for metabolic disorders, potential of morbidity, and possible long-term cardiovascular risk factors.

کلمات کلیدی:

Dyslipidemia, Hyperglycemia, HIV, Highly active antiretroviral therapy

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