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CD4+ T lymphocytes and viral load in patients with AIDS debut who receive antiretroviral therapy

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Background: AIDS premiere is a form of presentation the illness caused by HIV characterized by alteration of the patient's general state, waste syndrome, opportunist's infections, neoplasia and neurological alterations.

Objective: CD4+ T lymphocytes levels and of viral load in patient with AIDS premiere and antiretroviral therapy, were studied to the beginning and one year after the treatment.

Methods: A cross sectional prospective observational study was conducted in 55 HIV/AIDS patients, attended in the Medical Services offered by IPK during one year, which had to the beginning of the treatment CD4+ T lymphocytes counts less to 200cél/μL and high viral load.

Results: It was observed that there was an average rise of 262 cel per μL in the CD4+ T-lymphocytes, as well as an average fall of 60 452 cp/μL in viral load one year after the antiretroviral treatment.

Conclusions: With this study, we can conclude that after a year of therapy, the values of CD4+ T cells recovered and the viral load levels diminished in the evaluated patients. The results of this study confirm the benefits of antiretroviral therapy, particularly for patient with AIDS premiere

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