

**POLTEKKES KEMENKES TANJUNGPURANG
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Reikha Zahra Rijha Putri

Korelasi Betatrophin Terhadap Triglisierida pada ODHIV dengan Terapi Antiretroviral Regimen Tenofovir, Lamivudine, Dan Dolutegravir

xvii + 36 halaman, 3 tabel, 6 gambar, dan 16 lampiran

ABSTRAK

Terapi obat ARV dikaitkan dengan meningkatnya angka penyakit metabolik seperti dislipidemia dan resistensi insulin. Perubahan metabolik ini berkontribusi pada kemungkinan berkembangnya penyakit kardiovaskular dan diabetes melitus yang merupakan salah satu tantangan dalam pengobatan infeksi HIV. Tujuan penelitian adalah mengetahui korelasi betatrophin terhadap triglisierida pada ODHIV dengan terapi antiretroviral regimen tenofovir, lamivudine, dan dolutegravir. Jenis penelitian ini menggunakan penelitian analitik dengan desain penelitian *cross-sectional* dan menggunakan uji korelasi *Spearman's Rank*. Penelitian dilakukan di Laboratorium Imunoserologi Jurusan Teknologi Laboratorium Medis Poltekkes Kemenkes Tanjungpurang dan RS Bintang Amin Bandar Lampung. Populasi dalam penelitian ini adalah ODHIV di Puskesmas Rawat Inap Sukabumi Bandar Lampung. Sampel penelitian adalah 30 responden ODHIV dengan terapi antiretroviral regimen tenofovir, lamivudine, dan dolutegravir. Hasil penelitian didapatkan rata-rata kadar betatrophin yaitu 713.73 ng/ml dan rata-rata kadar triglisierida yaitu 142.10 mg/dl. Hasil uji *Spearman's Rank* tidak terdapat korelasi antara betatrophin dan triglisierida pada ODHIV dengan terapi antiretroviral regimen tenofovir, lamivudine, dan dolutegravir ($p = 0.6914$; $r = 0.0756$).

Kata Kunci : Betatrophin, ODHIV, TLD, Triglisierida
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Reikha Zahra Rijha Putri

Correlation of Betatrophin to Triglycerides in PLHIV with Antiretroviral Therapy Regimen Tenofovir, Lamivudine, and Dolutegravir

xvii + 36 pages, 3 tables, 6 figures, and 16 attachments

ABSTRACT

Antiretroviral therapy (ART) has been associated with an increased prevalence of metabolic disorders, including dyslipidemia and insulin resistance. These metabolic alterations contribute to the risk of developing cardiovascular disease and diabetes mellitus, presenting ongoing challenges in the clinical management of HIV infection. This study aimed to investigate the correlation between betatrophin and triglyceride levels in people living with HIV (PLHIV) receiving a fixed-dose combination of tenofovir, lamivudine, and dolutegravir. An analytical observational approach with a cross-sectional design was employed. The Spearman's Rank correlation test was used for statistical analysis. The study was conducted at the Immunoserology Laboratory of the Department of Medical Laboratory Technology, Poltekkes Kemenkes Tanjungkarang, and at Bintang Amin Hospital, Bandar Lampung. The study population included PLHIV from the Puskesmas Rawat Inap Sukabumi Bandar Lampung. A total of 30 PLHIV respondents undergoing antiretroviral therapy with the tenofovir-lamivudine-dolutegravir regimen were enrolled. The results showed a mean betatrophin level of 713.73 ng/mL and a mean triglyceride level of 142.10 mg/dL. Statistical analysis using the Spearman's Rank correlation revealed no significant correlation between betatrophin and triglyceride levels in this population ($p = 0.6914$; $r = 0.0756$).

Keywords : Betatrophin, PLHIV, TLD, triglycerides
Reading Lists : 31 (2012-2024)