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**Perbedaan Kadar Hemoglobin dan Jumlah Leukosit pada Penderita
Tuberkulosis Sebelum dan Sesudah Pengobatan OAT Fase Intensif**

xvi + 36, 5 tabel, 1 gambar, dan 11 lampiran

ABSTRAK

Tuberkulosis (TB) adalah suatu penyakit yang disebabkan oleh bakteri *Mycobacterium tuberculosis* dan merupakan penyakit paling menular ke-2 di dunia. Pengobatan tuberkulosis pada fase intensif (awal) menggunakan Obat Anti Tuberkulosis (OAT) yang diminum selama 2 bulan pertama. Beberapa parameter hematologi dapat mengalami perubahan seperti hemoglobin dan leukosit. Perubahan disebabkan efek dari infeksi TB ataupun penggunaan OAT. Penelitian ini dilakukan untuk melihat perbedaan antara kadar hemoglobin dan jumlah leukosit pada penderita TB sebelum dan sesudah pengobatan OAT fase intensif. Penelitian ini adalah penelitian analitik dengan jenis penelitian *quasi eksperiment*. Sampel penelitian berjumlah 43 orang dengan jenis kelamin laki-laki lebih banyak daripada perempuan. Hasil pemeriksaan sebelum dan sesudah pengobatan OAT fase intensif baik pria maupun wanita mengalami peningkatan hemoglobin. Pemeriksaan jumlah leukosit penderita tuberkulosis sebelum dan sesudah pengobatan OAT fase intensif mengalami penurunan, dari nilai rata-rata 10.397 sel/mm³ menjadi 7.900 sel/mm³ berdasarkan hasil hitung menggunakan Uji-T nilai *p*-value (Sig.) = 0,000 (*p*-value < 0,050).

Kata kunci : Hemoglobin, leukosit, OAT, tuberkulosis
Daftar bacaan : 45 (2004-2023)

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Differences in Hemoglobin Levels and Leucocyte Counts in Tuberculosis Patients Before and After Intensive Phase OAT Treatment

xvi + 36, 5 tables, 1 picture and 11 appendices

ABSTRACT

*Tuberculosis (TB) is a disease caused by the bacteria *Mycobacterium tuberculosis* and is the 2nd most contagious disease in the world. Treatment of tuberculosis in the intensive phase (early) uses Anti-Tuberculosis Drugs (OAT) which are taken for the first 2 months. Several hematological parameters can change such as hemoglobin and leukocytes. Changes are caused by the effects of TB infection or the use of OAT. This study was conducted to see the difference between hemoglobin levels and leukocyte counts in TB patients before and after intensive phase OAT treatment. This study is an analytical study with quasi experiment design. The study sample consisted of 43 people, male patients outnumber females. Results showed that both genders experienced an increase in hemoglobin levels following OAT intensive phase treatment. Leukocyte counts for tuberculosis patients before and after OAT intensive phase treatment decreased from an average value of 10,397 cells/mm³ to 7,900 cells/mm³ based on statistical analysis using the T-test with a significant p-value (Sig.) = 0.000 (p-value < 0.050).*

Keywords : Hemoglobin, leukosit, OAT, tuberculosis

Reading List : 45 (2004-2023)