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Perbedaan Kadar Albumin Sebelum dan Sesudah Hemodialisa Pada Pasien Penyakit Ginjal Kronik (PGK) di RSUD Dr. H. Abdul Moeloek Provinsi Lampung

xvi + 28 halaman, 1 gambar, 7 tabel, 11 lampiran

ABSTRAK

Penyakit ginjal kronik (PGK) merupakan penyakit yang disebabkan kerusakan pada ginjal selama >3 bulan yang bersifat irreversible dan menahun sehingga membutuhkan terapi hemodialisa. Pasien PGK mengalami kehilangan protein melalui urin yang menyebabkan penurunan kadar albumin serum/hipoalbuminemia. Albumin serum merupakan penentu utama tekanan osmotik plasma darah serta indikator penting morbiditas dan mortalitas pasien PGK. Hemodialisa merupakan terapi pengganti fungsi ginjal untuk membuang sampah metabolik dan memperbaiki abnormalitas biokimia didalam tubuh. Penelitian ini bertujuan untuk mengetahui perbedaan kadar albumin sebelum dan sesudah hemodialisa pada pasien PGK di RSUD Dr. H. Abdul Moeloek Provinsi Lampung. Metode penelitian adalah analitik dengan desain penelitian *cross sectional*. Penelitian dilaksanakan pada bulan Juli 2023. Populasi penelitian berjumlah 201 pasien PGK yang menjalani hemodialisa di RSUD Dr. H. Abdul Moeloek Provinsi Lampung pada tahun 2023. Sampel penelitian berjumlah 30 responden dengan kriteria pasien PGK yang menjalani terapi hemodialisa 2-3x/minggu, tidak melakukan transfusi albumin, dan diketahui lama waktu hemodialisanya. Analisis data menggunakan *paired sample T-test*. Hasil penelitian didapat rata-rata kadar albumin sebelum hemodialisa 3,25 gr/dL dan rata-rata kadar albumin sesudah hemodialisa 3,53 gr/dL. Hasil analisis menggunakan *wilcoxon signed rank* menunjukkan adanya perbedaan signifikan antara kadar albumin sebelum hemodialisa dan sesudah hemodialisa pada pasien PGK dengan nilai signifikansi 0,001 <0,05/(p<0,05).

Kata kunci : Hemodialisa, Kadar Albumin, Penyakit Ginjal Kronik (PGK)
Daftar bacaan : 60 (2000-2023)

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Differences In Albumin Levels Before and After Hemodialysis In Chronic Kidney Disease (CKD) Patients at Regional Public Hospital Dr. H. Abdul Moeloek Lampung Province

xvi + 28 pages, 1 picture, 7 tables, 11 attachments

ABSTRACT

Chronic kidney disease (CKD) is a disease caused by damage to the kidneys for >3 months which is irreversible and chronic and requires hemodialysis therapy. CKD patients experience protein loss through urine which causes a decrease in serum albumin levels/hypoalbuminemia. Serum albumin is the main determinant of blood plasma osmotic pressure and an important indicator of morbidity and mortality in CKD patients. Hemodialysis is a replacement therapy for kidney function to remove metabolic waste and correct biochemical abnormalities in the body. This study aims to determine differences in albumin levels before and after hemodialysis in CKD patients at Regional Public Hospital Dr. H. Abdul Moeloek Lampung Province. The research method is analytical with a cross sectional research design. The research was conducted in July 2023. The study population consisted of 201 CKD patients undergoing hemodialysis at Regional Public Hospital Dr. H. Abdul Moeloek Lampung Province in 2023. The research sample consisted of 30 respondents with the criteria of CKD patients who underwent hemodialysis therapy 2-3 times/week, did not have albumin transfusions, and had a known duration of hemodialysis. Data analysis used paired sample T-test. The research results showed that the average albumin level before hemodialysis was 3,25 gr/dL and the average albumin level after hemodialysis was 3,53 gr/dL. The results of analysis using the Wilcoxon signed rank showed that there was a significant difference between albumin levels before hemodialysis and after hemodialysis in CKD patients with a significance value of 0,001 <0,05/(p<0,05).

Keywords: Albumin Levels, Chronic Kidney Disease (CKD), Hemodialysis

References: 60 (2000-2023)