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Hubungan Kadar Albumin dengan Kadar Kalsium pada Pasien Gagal Ginjal Kronik di RSUD Dr. H. Abdul Moeloek Provinsi Lampung

xiv + 22 halaman, 2 gambar, 6 tabel, 11 lampiran

ABSTRAK

Gagal ginjal kronik merupakan penurunan fungsi ginjal yang progresif dimana terjadi peningkatan permeabilitas glomerulus dan mengakibatkan albumin keluar melalui urine sehingga terjadi penurunan kadar albumin. Penurunan kadar albumin menyebabkan salah satu fungsinya yaitu sebagai protein yang berikatan dengan kalsium terganggu, sehingga terjadi penurunan kadar kalsium. Tujuan penelitian ini adalah untuk mengetahui hubungan kadar albumin dengan kadar kalsium pada pasien gagal ginjal kronik di RSUD Dr. H. Abdul Moeloek Provinsi Lampung. Jenis penelitian yang digunakan adalah analitik, dengan desain *penelitian crosssectional*. Analisa data yang digunakan adalah uji korelasi *spearman*. Penelitian ini dilakukan di RSUD Dr. H. Abdul Moeloek Provinsi Lampung pada bulan Januari-Juni 2022. Sampel pada penelitian ini sebanyak 45 pasien. Data dalam penelitian ini menunjukkan kadar albumin pasien gagal ginjal kronik rata-rata 2,6 g/dL, dengan kadar terendah 1,2 g/dL dan kadar tertinggi 4,2 g/dL. Kadar kalsium pasien gagal ginjal kronik rata-rata 8,1 mg/dL, dengan kadar terendah 3,0 mg/dL dan kadar tertinggi 12,7 mg/dL. Hasil uji menunjukkan bahwa tidak terdapat hubungan bermakna antara kadar albumin dengan kadar kalsium pada pasien gagal ginjal kronik dengan nilai $p\text{-value} = 0,587$ ($p > 0,005$).

Kata Kunci : Gagal Ginjal Kronik, Albumin, Kalsium

Daftar Bacaan : 40 (2006-2021)

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The Relationship between Albumin Levels and Calcium Levels in Chronic Kidney Failure Patients at Dr. H. Abdul Moeloek Lampung Province

xiv + 22 pages, 2 pictures, 6 tables, 11 attachments

ABSTRACT

Chronic renal failure is a progressive decline in kidney function where there is an increase in glomerular permeability and causes albumin to be released through the urine, resulting in a decrease in albumin levels. The decrease in albumin levels causes one of its functions as a protein that binds to calcium to be disturbed, resulting in a decrease in calcium levels. The purpose of this study was to determine the relationship between albumin levels and calcium levels in patients with chronic kidney failure at Dr. H. Abdul Moeloek Lampung Province. The type of research used is analytic, with a cross-sectional research design. Analysis of the data used is the Spearman correlation test. This research was conducted in RSUD Dr. H. Abdul Moeloek Lampung Province in January-June 2022. The sample in this study was 45 patients. The data in this study showed albumin levels in patients with chronic renal failure were on average 2.6 g/dL, with the lowest level of 1.2 g/dL and the highest level of 4.2 g/dL. The average calcium level of patients with chronic renal failure is 8.1 mg/dL, with the lowest level of 3.0 mg/dL and the highest level of 12.7 mg/dL. The test results showed that there was no significant relationship between albumin levels and calcium levels in patients with chronic renal failure with $p\text{-value} = 0.587$ ($p > 0.005$).

Keywords : Chronic Kidney Failure, Albumin, Calcium
Reading List : 40 (2006-2021)