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Korelasi Kadar Asam Urat Dengan Kadar Ureum Dan Kreatinin Pada Penderita Gagal Ginjal Kronik

xv + 28, 3 gambar, 8 tabel, 10 lampiran

ABSTRAK

Ginjal merupakan organ penting di dalam tubuh manusia yang berperan untuk mengekskresikan produk-produk akhir sisa metabolisme tubuh seperti ureum, kreatinin serta asam urat. Apabila ginjal tidak dapat mengekskresikan zat sisa metabolisme maka zat tersebut tidak bisa dikeluarkan oleh tubuh sehingga zat tersebut akan menumpuk dan menjadi racun bagi tubuh. Gangguan gagal ginjal kronik dapat menyebabkan penurunan LFG (Laju Filtrasi Glomerulus), sehingga kadar ureum, kreatinin dan asam urat yang seharusnya disaring ginjal untuk kemudian dibuang melalui air seni menurun, akibatnya zat-zat tersebut akan meningkat di dalam darah. Tujuan penelitian ini adalah untuk mengetahui korelasi kadar asam urat dengan kadar ureum dan kreatinin pada penderita gagal ginjal kronik. Jenis penelitian yang digunakan adalah penelitian analitik dengan desain *cross sectional* analisa data yang digunakan adalah uji korelasi *spearman*. Penelitian ini dilakukan di RSUD Dr. H. Abdul Moeloek Provinsi Lampung pada bulan April-Juni 2022. Sampel data pada penelitian ini sebanyak 56 pasien. Hasil uji menunjukkan terdapat hubungan antara kadar asam urat dengan ureum yang memperoleh nilai *p-value* sebesar 0.000 ($p < 0,05$) dan terdapat hubungan antara kadar asam urat dengan kreatinin yang memperoleh nilai *p-value* sebesar 0.000 ($p < 0,05$), dapat disimpulkan terdapat korelasi yang bermakna antara kadar asam urat dengan kadar ureum pada penderita gagal ginjal kronik.

Kata Kunci : Gagal Ginjal Kronik, Asam Urat, Ureum, Kreatinin
Daftar bacaan : 55 (2002-2021)

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Correlation of uric acid levels with urea and creatinine levels in patients with chronic kidney failure

xv + 28, 3 images, 8 tables, 10 attachments

ABSTRACT

Kidneys are important organs in the human body whose role is to excrete end products of the body's metabolic wastes such as urea, creatinine and uric acid. If the kidneys cannot excrete metabolic waste substances, these substances cannot be excreted by the body so that these substances will accumulate and become toxic to the body. Chronic kidney failure disorders can cause a decrease in GFR (Glomerulus Filtration Rate), so that the levels of urea, creatinine and uric acid that should be filtered by the kidneys and then excreted through urine decrease, as a result these substances will increase in the blood. The purpose of this study was to determine the correlation of uric acid levels with urea and creatinine levels in patients with chronic kidney failure. The type of research used is analytic research with cross sectional design. The data analysis used is the Spearman correlation test. This research was conducted in RSUD Dr. H. Abdul Moeloek Lampung Province in April-June 2022. The sample data in this study were 56 patients. The test results showed that there was a relationship between uric acid levels and urea which obtained a *p-value* of 0.000 ($p < 0.05$) and there was a relationship between uric acid levels and creatinine which obtained a *p-value* of 0.000 ($p < 0.05$). , it can be concluded that there is a significant correlation between uric acid levels and urea levels in patients with chronic kidney failure.

Keywords: Chronic Kidney Failure, Uric Acid, Urea, Creatinine
Reading list : 55 (2002-2021)