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Hubungan Kadar Glukosa Darah 2 Jam Post Prandial dengan Kadar Ureum pada Pasien Diabetes Melitus di Rumah Sakit Urip Sumoharjo Tahun 2022

xiv + 25 halaman, gambar, 7 tabel, dan 11 lampiran

ABSTRAK

Diabetes melitus merupakan penyakit dimana kondisi kadar glukosa dalam darah melebihi batas normal atau biasa disebut hiperglikemia. DM yang tidak terkontrol dapat menyebabkan berbagai komplikasi kronik, baik mikrovaskuler maupun makrovaskuler, manifestasi mikrovaskuler berupa penyakit retinopati dan nefropati diabetik. Nefropati diabetik merupakan komplikasi DM pada ginjal yang dapat berakhir sebagai gagal ginjal. Tujuan penelitian ini untuk mengetahui hubungan kadar glukosa darah 2 jam pp dengan kadar ureum pada pasien DM di Rumah Sakit Urip Sumoharjo tahun 2022. Penelitian ini dilakukan pada bulan April – Juli 2022. Jenis penelitian ini adalah analitik dengan pendekatan *cross sectional*, Populasi pada penelitian ini diambil sebanyak 165 pasien dengan sampel 51 pasien. Hasil penelitian didapatkan kadar glukosa darah 2 jam pp normal sebanyak 11 pasien (21,6%) dan kadar glukosa darah 2 jam pp tidak normal sebanyak 40 pasien (78,4%) sedangkan kadar ureum normal sebanyak 25 pasien (49%) dan kadar ureum tidak normal sebanyak 26 pasien (51%). Berdasarkan hasil analisa bivariat menggunakan uji *Fisher Exact Test* terdapat hubungan antara kadar glukosa 2 jam postprandial dengan kadar ureum pada pasien DM Tipe 2 dengan nilai $p=0,014$ ($P<0,05$).

Kata Kunci : Diabetes Melitus tipe 2, Glukosa Darah 2 Jam PP, Ureum
Daftar Bacaan : 27 (2009-2022)

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The Relationship of Blood Glucose Levels 2 Hours Post Prandial with Ureum Levels in Diabetes Mellitus Patients at Urip Sumoharjo Hospital in 2022

xiv + 25 pages, pictures, 7 tables and 11 appendices

ABSTRACT

Diabetes mellitus is a disease where the condition of glucose levels in the blood exceeds normal limits or commonly called hyperglycemia. Uncontrolled DM can cause various chronic complications, both microvascular and macrovascular, microvascular manifestations in the form of retinopathy and diabetic nephropathy. Diabetic nephropathy is a complication of DM in the kidneys which can end up as kidney failure. The purpose of this study was to determine the relationship between blood glucose levels 2 hours pp with urea levels in DM patients at Urip Sumoharjo Hospital in 2022. This study was conducted in April – July 2022. This type of research is analytic with a cross sectional approach. The population in this study taken as many as 165 patients with a sample of 51 patients. The results showed that 11 patients (21.6%) normal 2-hour pp blood glucose levels and abnormal 2-hour pp blood glucose levels were 40 patients (78.4%) while normal urea levels were 25 patients (49%) and abnormal urea in 26 patients (51%). Based on the results of bivariate analysis using the Fisher Exact Test, there was a relationship between glucose levels 2 hours postprandial and urea levels in Type 2 DM patients with p value = 0.014 ($P < 0.05$).

Keywords : Type 2 Diabetes Mellitus, Blood Glucose 2 Hours PP, Ureum
Reading List : 27 (2009-2022)