

Obesitas pada pasien batu ginjal dan hubungannya dengan fungsi ginjal

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Abstrak

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Batu ginjal merupakan masalah yang cukup besar. Batu ginjal dapat menyebabkan gangguan fungsi ginjal dan dapat berujung pada gagal ginjal. Obesitas merupakan faktor risiko penurunan fungsi ginjal pada populasi normal. Oleh karena itu, penelitian ini bertujuan untuk mengetahui prevalensi fungsi ginjal buruk & obesitas pada pasien batu ginjal dan hubungannya antara fungsi ginjal dengan obesitas pada pasien batu ginjal. Metode yang digunakan adalah studi potong lintang pada pasien yang berobat di Poli Urologi RSUPNKM tahun 2000-2013. Data diambil dari rekam medik pasien. Pengambilan sampel menggunakan teknik total population sampling pasien yang didiagnosis batu ginjal dan memiliki data kreatinin serum dan tinggi badan & berat badan yang akan dikonversikan menjadi data IMT. Dari jumlah data sebesar 5464 pasien, didapatkan 806 subjek penelitian yang memenuhi syarat dengan prevalensi obesitas sebesar 41,9% dan prevalensi fungsi ginjal buruk 40%. Uji analisis hubungan obesitas dengan fungsi ginjal didapatkan $p=0.146$. Dapat disimpulkan tidak ada hubungan yang bermakna antara obesitas dengan fungsi ginjal pada pasien batu ginjal.

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ABSTRACT

Kidney stones are big problem. Kidney stones can cause reduction of kidney function and can ended in kidney failure. Obesity also is known risk factor in the population for reduction of kidney function. Therefore, this study aimed to determine the prevalence of decreased kidney function & obesity in renal stone patients and relation between obesity and kidney function in kidney stone patients. This study used cross sectional method in RSUPNKM Urology Department outpatient clinic from 2000 to 2013 by using total population sampling patients diagnosed kidney stones and have serum creatinine, weight and height data. Data were collected from medical record. The weight and height data will be converted into body mass index data. From 5464 patients, there are 806 subjects who fulfilled the requirement. Among subjects, 41,9% had obesity while 40% had decreased kidney function. Statistic test of obesity and its association with kidney function got $p\text{ value}=0.146$. In conclusion, there is no significant correlation among obesity to kidney function.;Kidney stones are big problem. Kidney stones can cause reduction of kidney function and can ended in kidney failure. Obesity also is known risk factor in the population for reduction of kidney function. Therefore, this study aimed to

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