

GAMBARAN FUNGSI GINJAL PASIEN HIPERTENSI PRIMER DI RUANG RAWAT INAP RSUD DR. H. CHASAN BOESOIRIE TERNATE

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ABSTRAK

Latar belakang: Hipertensi merupakan penyakit tidak menular yang menjadi penyebab kematian global. Pada tahun 2019 terdapat 1,28 miliar orang di dunia mengalami hipertensi. Etiologi hipertensi terbagi atas hipertensi primer dan sekunder. Penelitian terkait hipertensi primer di Maluku Utara belum ada.

Tujuan: Mengetahui gambaran fungsi ginjal pasien hipertensi primer di Maluku Utara, Indonesia.

Metode: Penelitian deskriptif ini dilaksanakan pada pasien hipertensi primer yang dirawat inap di RSUD Dr. H. Chasan Boesoirie Ternate tahun 2020-2021. Data mengenai derajat hipertensi, usia, jenis kelamin, ureum serum, kreatinin serum, dan perhitungan laju filtrasi glomerulus dengan formula *Cockcroft-Gault* diperoleh dari rekam medis dan dilakukan analisis univariat.

Hasil: Dari 38 pasien 39,5% termasuk kategori hipertensi primer derajat 2, 52,6% laki-laki, dan 34,2% berusia 55-64 tahun. Nilai rerata kadar ureum serum adalah sebesar $38,1 \pm 22,1$ mg/dL, kreatinin serum $1,46 \pm 1,19$ mg/dL, dan laju filtrasi glomerulus $66,14 \pm 28,07$ mL/menit/1,73m².

Simpulan: Pada sebagian besar pasien hipertensi primer di RSUD Dr. H. Chasan Boesoirie Ternate pada tahun 2020-2021, nilai ureum serum masih di dalam rentang normal, sementara nilai kreatinin serum meningkat dan fungsi ginjal mengalami penurunan ringan.

Kata kunci: Hipertensi, fungsi ginjal, ureum serum, kreatinin serum, laju filtrasi glomerulus

RENAL FUNCTION PROFILE OF PRIMARY HYPERTENSION PATIENTS ADMITTED IN DR. H. CHASAN BOESOIRIE GENERAL PUBLIC HOSPITAL TERNATE

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ABSTRACT

Background: Hypertension is a major non-communicable disease responsible for death globally. In 2019, it was estimated that 1.28 billion people had hypertension worldwide. The etiology of hypertension is divided into primary and secondary hypertension. There has been no study regarding primary hypertension in North Maluku.

Objective: To describe the renal function of primary hypertension patients in North Maluku, Indonesia.

Method: This descriptive study was carried out on primary hypertension patients admitted in the dr. H. Chasan Boesoerie General Hospital Ternate in 2020-2021. Data regarding the degree of hypertension, age, sex, serum urea, serum creatinine, and glomerular filtration rate (Cockcroft-Gault formula) were obtained from medical records and analyzed using univariate analysis.

Results: From 38 patients 39.5% were categorized as having primary hypertension grade 2, 52.6% were male, and 34.2% aged 55-64 years. The mean serum urea level was 38.1 ± 22.1 mg/dl, mean serum creatinine level was 1.46 ± 1.19 mg/dl, and mean glomerular filtration rate was 66.14 ± 28.07 ml/min/1.73m².

Conclusion: In most primary hypertension patients admitted in the dr. H. Chasan Boesoerie Ternate in 2020-2021, serum urea level was within normal range, while the serum creatinine value increased, and renal function was mildly decreased.

Keywords: Hypertension, renal function, serum urea, serum creatinine, glomerular filtration rate.