

ABSTRACT

THE RELATIONSHIP BETWEEN RISK FACTOR OF HYPERTENSION, DIABETES MELITUS, AND GERIATRICS WITH THE PREVALENCE OF ADMINISTRATION OF CORONA VIRUS DISEASE-19 (COVID-19) PATIENTS TO INTENSIVE CARE UNIT (ICU) OF COVID-19 REGIONAL GENERAL HOSPITAL DR. H. ABDUL MOELOEK LAMPUNG PROVINCE

By

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Background: Coronavirus disease-19 (Covid-19) is an infectious disease caused by severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2), was first identified in December 2019 and spread across the City of Wuhan, and Indonesia in March 2020. The risk factors often found in Covid-19 patients such as hypertension, diabetes melitus, and 63 years patients for further treatment. The purpose of this study was to determine the relationship between hypertension, diabetes melitus, geriatrics, and the risk factors most significantly associated with the prevalence of admission of Covid-19 patients to the Covid-19 ICU at Regional General Hospital Dr. H. Abdul Moeloek Lampung Province.

Methods: This study used an analytic observational using a cross-sectional method. The research data was obtained from the patient's medical records which were secondary data as many as 106 research samples were taken.

Results: Variables that related, are hypertension (p-value 0.001), diabetes melitus (p-value 0.017), and geriatrics (p-value 0.017). Variables that are significantly related to the prevalence of admission of Covid-19 patients to the Covid-19 ICU at Regional General Hospital Dr. H. Abdul Moeloek Lampung Province is geriatrics (p-value 0.020).

Conclusions: Hypertension, diabetes melitus, and geriatrics are associated with the prevalence of admission of Covid-19 patients to the ICU Covid-19, and geriatrics is the most significantly associated risk factor with the prevalence of admission of Covid-19 patients to the ICU Covid-19 Regional General Hospital Dr. H. Abdul Moeloek Lampung Province.

Keyword: Covid-19, diabetes melitus, geriatrics, hypertension, ICU

ABSTRAK

HUBUNGAN FAKTOR RISIKO HIPERTENSI, DIABETES MELITUS, DAN GERIATRI DENGAN PREVALENSI MASUKNYA PASIEN *CORONA VIRUS DISEASE-19* (COVID-19) KE RUANG *INTENSIVE CARE UNIT* (ICU) COVID-19 RSUD DR. H. ABDUL MOELOEK PROVINSI LAMPUNG

Oleh

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Latar Belakang: *Coronavirus disease-19* (Covid-19) merupakan penyakit infeksi yang disebabkan oleh *severe acute respiratory syndrome coronavirus-2* (SARS-CoV-2) yang teridentifikasi pertama kali pada bulan Desember 2019 yang menyerang Kota Wuhan, Provinsi Hubei, China, hingga ke Indonesia pada bulan Maret 2020. Faktor risiko yang sering ditemukan pada pasien Covid-19 adalah hipertensi, diabetes melitus, dan rata-rata pasien berusia 63 tahun untuk perawatan lebih lanjut. Tujuan penelitian ini untuk mengetahui adanya hubungan hipertensi, diabetes melitus, geriatri, dan faktor risiko yang paling berhubungan secara signifikan dengan prevalensi masuknya pasien Covid-19 ke ruang ICU Covid-19 di RSUD Dr. H. Abdul Moeloek Provinsi Lampung.

Metode: Penelitian ini menggunakan jenis analitik observasional menggunakan metode *cross sectional*. Data penelitian didapatkan dari rekam medis pasien yang merupakan data sekunder sebanyak 106 sampel penelitian.

Hasil: Analisis variabel yang berhubungan, yaitu hipertensi (*p-value* 0,001), diabetes melitus (*p-value* 0,017), dan geriatri (*p-value* 0,017). Variabel yang berhubungan secara signifikan dengan prevalensi masuknya pasien Covid-19 ke ruang ICU Covid-19 RSUD Dr. H. Abdul Moeloek Provinsi Lampung adalah geriatri (*p-value* 0,020).

Simpulan: Hipertensi, diabetes melitus, dan geriatri berhubungan dengan prevalensi masuknya pasien Covid-19 ke ruang ICU Covid-19, dan geriatri merupakan faktor risiko yang paling berhubungan secara signifikan dengan prevalensi masuknya pasien Covid-19 ke ruang ICU Covid-19 RSUD Dr. H. Abdul Moeloek Provinsi Lampung.

Kata Kunci: Covid-19, diabetes melitus, geriatri, hipertensi, ICU.