

GAMBARAN KADAR AST DAN ALT PADA PASIEN TERKONFIRMASI COVID-19 DENGAN PCR DI RS SWASTA JATIASIH

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ABSTRAK

Covid-19 merupakan infeksi yang disebabkan oleh *Severe Acute Respiratory Syndrome Coronavirus 2* (SARS-CoV-2). SARS CoV-2 ini merupakan coronavirus jenis baru yang belum pernah diidentifikasi pada manusia. Kadar AST dan ALT kemungkinan akan meningkat karena disebabkan oleh infeksi virus yang merusak organ dan meningkatkan kadar enzim transaminase didalam darah. Penelitian ini bertujuan untuk mengetahui gambaran kadar AST dan ALT pada pasien Covid-19 di rumah sakit swasta di Jatiasih. Penelitian ini termasuk penelitian sekunder. Waktu penelitian dilakukan pada bulan Mei 2021 dengan periode data yang diambil yaitu bulan april 2020–april 2021. Penelitian dilakukan di RS swasta Jatiasih. Analisa data yang digunakan yaitu analisis deskriptif. Hasil penelitian ini didapatkan 93 pasien dengan kadar AST normal sebanyak 35 orang (37,6%), dan tinggi sebanyak 58 orang (62,4%). Kadar ALT normal sebanyak 36 orang (38,7%), dan tinggi sebanyak 57 orang (61,3%). Penyebab peningkatan ini adalah adanya reseptor ACE2 yang berada didalam hati digunakan sebagai reseptor masuknya virus untuk menginfeksi organ hati.

Kata kunci: Covid-19, AST, ALT, SARS COV2, Rumah sakit swasta jatiasih

DESCRIPTION OF AST AND ALT LEVELS IN CONFIRMED COVID-19 PATIENTS WITH PCR AT JATIASIH PRIVATE HOSPITAL

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ABSTRAC

Covid-19 is an infection caused by Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2). SARS CoV-2 is a new type of coronavirus that has never been identified in humans. AST and ALT levels are likely to increase because they are caused by viral infections that damage organs and increase levels of transaminase enzymes in the blood. This study aims to determine the description of AST and ALT levels in Covid-19 patients at a private hospital in Jatiasih. This research includes secondary research. The type of research used is descriptive analytic. This study used a cross sectional approach. Sampling method used is purposive sampling. The time of the research was carried out in May 2021 with the data period taken from April 2020–April 2021. The study was conducted at the Jatiasih private hospital. Analysis of the data used is descriptive analysis. The results of this study found 93 patients with normal AST levels as many as 35 people (37.6%), and high as many as 58 people (62.4%). Normal ALT levels were 36 people (38.7%), and high were 57 people (61.3%). The cause of this increase is the presence of ACE2 receptors in the liver which are used as receptors for the entry of viruses to infect the liver.

Keywords: Covid-19, AST, ALT, SARS COV2, Jatiasih private hospital

