

عنوان مقاله:

Cardiovascular complications in patients hospitalized with COVID-۱۹: A cross-sectional study

محل انتشار:

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خلاصه مقاله:

This study aimed to evaluate the cardiovascular complications in patients hospitalized with COVID-۱۹. An analytical cross-sectional study was conducted to investigate the prevalence of cardiovascular disorders among patients infected with Severe Acute Respiratory Syndrome Coronavirus ۲ (SARS-CoV-۲). The study focused on individuals admitted to Shahid Beheshti Hospital in Kashan throughout ۲۰۱۸-۲۰۱۹. A comprehensive questionnaire was administered to collect demographic information, vital signs upon admission, symptoms experienced, underlying medical conditions, cardiovascular risk factors, duration of hospitalization, discharge status, and laboratory test results. The data encompassed a wide range of variables including age, sex, race, vital signs, symptoms, comorbidities, cardiovascular risk factors, hospitalization duration, discharge outcome, and laboratory parameters. The study encompassed a total of ۴۴۰ patients diagnosed with COVID-۱۹. The average age of the participants was ۶۱.۲۸ (SD=۱۸.۹۷) years. The presence of a cardiac disorder exhibits a statistically significant correlation with admission to the intensive care unit (ICU) ($P=۰.۰۰۴$). Furthermore, the findings indicate that gender, age, decreased level of consciousness, pulse rate (PR), respiratory rate (RR), oxygen saturation (SPO۲), and various laboratory parameters (excluding white blood cell (WBC), erythrocyte sedimentation rate (ESR), Mg, Troponin, pH, PaO۲, and PaCO۲), alongside ICU hospitalization and mechanical ventilation, significantly associated with patient mortality ($P<۰.۰۵$). SARS-CoV-۲ has the potential to exacerbate conditions in individuals with pre-existing cardiovascular diseases, necessitating meticulous planning of treatment strategies. Additionally, SARS-CoV-۲ can induce cardiovascular disorders in affected individuals, underscoring the importance of vigilant monitoring and management of resultant cardiac complications during the treatment of SARS-CoV-۲.

کلمات کلیدی:

SARS-CoV-۲, COVID-۱۹, Nursing, Secondary Complications, cardiovascular disorder

لینک ثابت مقاله در پایگاه سیویلیکا:

