

## عنوان مقاله:

Catastrophic Candida prosthetic valve endocarditis and COVID-۱۹ comorbidity: A rare case

## محل انتشار:

سرطان معده، دوره 7، شماره 2 (سال: 1400)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

Background and Purpose: Coronavirus disease ۲۰۱۹ (COVID-۱۹) and Candida prosthetic valve endocarditis present various clinical manifestations which may overlap; hence, discrimination between them is extremely difficult. Case report: The case was a ۶۶-year-old man with a past medical history of mitral and aortic valves replacement one year before COVID-۱۹ co-infection. He was admitted with fever (for ۷ days), shortness of breath, cough, seizure, lethargy, headache, and ۸۵% oxygen saturation. Transesophageal echocardiography revealed multiple large-sized, highly mobile masses on both sides of the mechanical mitral valve highly suggestive of vegetation. Chest computed tomography scanning showed simulating scattered COVID-۱۹ peripheral ground-glass opacities confirmed by reverse-transcription polymerase chain reaction. The set of blood cultures yielded yeast colonies that were identified as Candida tropicalis. The patient died of septic shock shortly after receiving antifungal therapy. Conclusion: This case emphasized the importance of early diagnosis and implementation of antifungal treatment, particularly in patients with prosthetic cardiac valves, to reduce their unfavorable outcomes in COVID-۱۹ patients

## کلمات کلیدی:

Candida endocarditis, case report, comorbidity, COVID-۱۹, Prosthetic valve replacement, SARS-CoV-۲, TRANSESOPHAGEAL ECHOCARDIOGRAPHY

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