

Aspergillus endocarditis

A rare [case](#) of native mitral valve AE in a 63-year-old man, with a probable [COVID-19](#)-associated invasive pulmonary [aspergillosis](#) nine months ago treated with antifungals.

In the last admission, the [lethargy](#), neurological deficit, and septic-embolic [brain abscess](#) in brain [MRI](#) led to suspicion of [infective endocarditis](#). Transesophageal two-dimensional [echocardiography](#) and color Doppler flow velocity mapping showed a large highly mobile mass destroying leaflet and severe mitral regurgitation. The Surgical valve replacement is performed. The surgical valve replacement is performed. Direct microscopic examination and [culture](#) of the explanted and vegetative mass revealed Aspergillus section Fumiagati confirmed by molecular method. Despite the administration of [voriconazole](#) and transient improvement the patient expired.

As AE is a late consequence of COVID-19-associated invasive pulmonary aspergillosis, therefore, long-term follow-up of invasive aspergillosis, and prompt diagnosis of surgical and systemic antifungal therapy treatment, are warranted to provide robust management ¹⁾.

¹⁾

Najafi N, Moslemi A, Ghafari R, Shayesteh Azar S, Nabati M, Faali L, Salimi M, Mirzakhani R, Shokohi T. Post-COVID-19 fatal Aspergillus endocarditis: A case report. J Clin Lab Anal. 2022 Dec 19:e24816. doi: 10.1002/jcla.24816. Epub ahead of print. PMID: 36535906.

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