



Post COVID-19 Mucormycosis in patients without underlying disease

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Introduction:

Mucormycosis is a rare, progressive, and dangerous fungal infection with a high mortality rate. There have been several reports of increased mucormycosis rate during the COVID-19 pandemic.

Case presentation:

Here, we report a 60 years old man with sinoorbital mucormycosis without underlying disease as a late complication of COVID-19. Four times Endoscopic sinus surgery was performed underwent general anesthesia and all necrotic tissues were removed. Nasal biopsy showed inflammatory and necrotic tissue, compatible with mucormycosis.

Result:

The patient received Amphotricin B Liposomal and after three weeks discharged from hospital with Posaconazole.

Discussion & Conclusion:

It seems that diabetes, use of corticosteroids, and COVID-19 are the three key causes of increased incidence of mucormycosis. Therefore, further research is warranted for the improved evaluation, prevention, and management of opportunistic infections in these patients. Also, the use of immunosuppressants should be accompanied by perfect supervision.

Keywords:

COVID-19, Sinoorbital mucormycosis, fungal infection, corticosteroids