

# **Mucormycosis was the predominant Fungal infection during the COVID 19 Pandemic**

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Fungus  
Superbug  
The New Global Health Threat

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Why is this  
1 Changing Climate patterns  
2 Wild Fires  
3 Dust Storms

Drug Resistant Fungal infections

Fungal spores are present in the air ,soil ,backwards, gardens

Warn Damp environment

WHO estimates  
6.5 million Fungal infections Worldwide

3.8 million deaths due to Fungal disease in the world per year

Drug resistance to Fungal infections is increasing

Fungi  
Aspergillus fumigatus  
America , Europe ,Asia ,Africa

Affects the lungs

Patients with Asthma ,Cystic Fibrosis ,weak immune systems

Cryptococcus neoformans

Candida albicans

Candida auris

The fungi are genetically closer to humans than bacteria

Liposomal amphotericin

Good stocks were supplied by the Govt of India during the COVID 19 Pandemic  
Hence many patients were saved in GMC by the combined efforts of the Clinical  
depts , Surgery depts ,Endocrinology depts ,Neurology, Neurosurgery ENT  
Dept ,Ophthalmology dept ,dental and oral Surgery dept ,Pathology dept and  
Microbiology depts. And Biochemistry dept and our Nurses and Paramedical  
staff and MTS staff.

Dr Joyce Mendes and Dr RGW Pinto conducted a Research Study ( Dr joyce  
Mendes thesis under Dr RGW Pinto PG Guide ) for MD Pathology Goa  
University during the COVID 19 Pandemic.

The drugs used to treat the Fungal diseases can cause

Renal Failure

Liver Failure

They are toxic

Liposomal amphotericin is safer

Less amount of Research is going on in Fungal disease treatment because it is  
less profitable

But with the boom and increase in Fungal diseases this scenario is likely to  
change

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