



Ministry of Health  
& Family Welfare  
Government of India



Help us to  
help you

# WHAT IS MUCORMYCOSIS OR BLACK FUNGUS?

It is a fungal infection that especially affects people who are on medication for other health issues that reduces their ability to fight environmental pathogens.

## Who are at risk in the current COVID situation?

- 01 Those with uncontrolled diabetes
- 02 Prolonged ICU stay
- 03 Irrational use of steroids
- 04 Comorbidities-post transplant/malignancy
- 05 Voriconazole therapy



## Symptoms



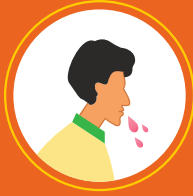
Pain and redness around eyes and/or nose



Fever, headache, coughing



Shortness of breath



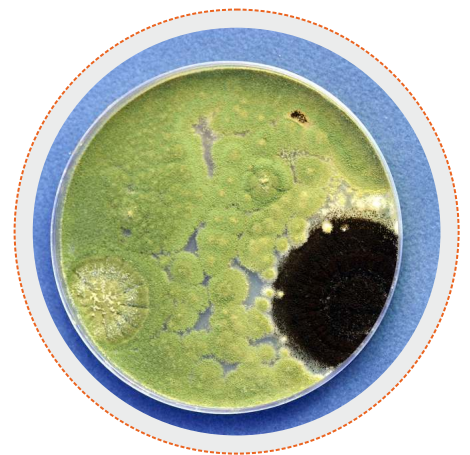
Bloody vomits



Altered mental status

## When to suspect?

- > Sinusitis-nasal blockade or congestion
- > Nasal discharge (blackish/bloody)
- > Local pain on the cheekbone
- > One-sided facial pain, numbness or swelling
- > Toothache
- > Blurred or double vision with pain
- > Chest pain, worsening of respiratory symptoms



### Dos

- 01 Control hyperglycemia
- 02 Monitor blood glucose level post-COVID-19 discharge
- 03 Use steroid judiciously
- 04 Use clean water for humidifiers during oxygen therapy
- 05 Use antibiotics/antifungals judiciously
- 06 Wear a mask if you are going outside



### Don'ts

- 01 Miss warning signs and symptoms
- 02 Consider all cases with a blocked nose is due to fungus
- 03 Hesitate to seek tests like KOH staining, microscopy, culture, MALDI-TOF to detect fungal etiology
- 04 Hesitate to initiate treatment

