

## **AMC DENTAL COLLEGE AND HOSPITAL**

### **VALUE ADDED COURSE ON MANAGEMENT OF MUCORMYCOSIS**

**ACADEMIC YEAR 2021-2022**

#### **1. Nomenclature of the Course:**

Value added course on **Management Of Mucormycosis**

##### **Background**

Recently, several cases of mucormycosis in people with COVID-19 have been increasingly reported world-wide, in particular from India. The primary reason that appears to be facilitating Mucorales spores to germinate in people with COVID-19 is an ideal environment of low oxygen (hypoxia), high glucose (diabetes, new-onset hyperglycemia, steroid-induced hyperglycemia), acidic medium (metabolic acidosis, diabetic ketoacidosis [DKA]), high iron levels (increased ferritins) and decreased phagocytic activity of white blood cells (WBC) due to immunosuppression (SARS-CoV-2 mediated, steroid-mediated or background comorbidities) coupled with several other shared risk factors including prolonged hospitalization with or without mechanical ventilators.

#### **2. Objectives of program**

This module provides a structured approach to understanding, managing, and preventing mucormycosis. Each session can include lectures, interactive discussions, case studies, and expert panels to ensure a comprehensive learning experience. Additionally, incorporating real-life examples and recent research findings can enhance the course's relevance and effectiveness.

#### **3. Offering Institute and Faculty:**

The Course is offered by AMC Dental college

#### **4. Duration of the Course**

The total duration of the course is 16 hours

#### **5. Who Can Participate in the Course**

The post graduates of oral surgery department at Amc Dental College and Hospital can participate in the course

6. **Course Fee:** There will be no fee for the course

7. **Award of Certificate**

The students completing 80 % attendance will be awarded the course completion certificates.

8. **Course Content**

**Day 1: 8 hours**

**Understanding Mucormycosis**

Session 1: Introduction to Mucormycosis

- Definition and overview of mucormycosis
- Epidemiology and risk factors

Session 2: Pathophysiology

- Understanding the fungal infection process
- Mechanisms of mucormycosis invasion and proliferation

Session 3: Clinical Presentations

- Different types of mucormycosis and their clinical manifestations
- Case studies and examples

Session 4: Diagnostic Approaches

- Laboratory tests and imaging techniques for diagnosing mucormycosis
- Differential diagnosis and challenges in identification

**Day 2: 8 hours**

**Management and Prevention Strategies**

Session 5: Treatment Approaches

- Antifungal therapies and their efficacy
- Surgical interventions and their role in treatment

#### Session 6: Management of Complications

- Dealing with complications arising from mucormycosis and its treatment
- Long-term management and follow-up

#### Session 7: Preventive Measures


- Strategies for preventing mucormycosis in susceptible populations
- Infection control measures and guidelines

#### Session 8: Case Studies and Panel Discussion


- Real-life cases of successful management of mucormycosis
- Panel discussion with experts, sharing insights and experiences

#### Session 9: Certificates

- Distribution of participation certificates

  
**Program Coordinator**  
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