

**AMC DENTAL COLLEGE AND HOSPITAL  
ACADEMIC YEAR 2020-2021**

**VALUE ADDED COURSE ON ICU FOR MANAGING COVID19 PATIENTS**

**1. Nomenclature of the Course:**

Value added course on **ICU FOR MANAGING COVID19 PATIENTS**

**2. Background:**

The training module includes essentials of interventions and procedures in ICUs, orientation of critical care skills like airway management and ventilator management, and how to triage a critically ill as mild, moderate or severe and refer cases to appropriate facilities. The programme will also cover essentials of managing varied facilities for Covid-19 management, such as isolation centres, quarantine centres, and management of service areas and patients with mild illness.

**3. Objectives of program**

This comprehensive three-day course and workshop aim to equip healthcare professionals with the knowledge, practical skills, and decision-making strategies necessary for managing critically ill COVID-19 patients in the ICU setting, incorporating hands-on training, simulation scenarios, and ethical considerations in patient care.

**4. Offering Institute and Faculty:**

The Course is offered by Amc Dental College And Hospital, Ahmedabad

**5. Duration of the Course**

The total duration of the course is 21 HOURS

**6. Who Can Participate in the Course**

The dental students, interns, post graduates at Amc Dental College and Hospital can participate in the course.

**7. Admission Process of the Course**

All students at Amc dental college is eligible to the course.

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

## 9. Award of Certificate

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

## 10. Course Content

### Day 1: 8 hours

#### Fundamentals of COVID-19 ICU Care

##### Session 1: Introduction to COVID-19 ICU Care

- **Overview of COVID-19:** Understanding the virus, its transmission, and impact on critical care.
- **ICU Challenges:** Identifying specific challenges faced in managing COVID-19 patients in the ICU setting.

##### Session 2: ICU Preparedness and Infection Control

- **ICU Readiness:** Preparing ICU facilities, equipment, and staff for managing COVID-19 cases.
- **Infection Control Protocols:** Understanding stringent infection control measures and PPE guidelines.

##### Session 3: Respiratory Support in COVID-19 Patients

- **Ventilation Strategies:** Exploring various ventilation techniques and strategies for COVID-19 respiratory support.
- **Non-invasive Ventilation:** Understanding the role and application of non-invasive ventilation methods.

### Day 2: 8 hours

##### Session 4: Hands-on Workshop: Ventilation Techniques

- **Ventilator Operation:** Hands-on practice on different types of ventilators and their settings.
- **Simulated Scenarios:** Simulated scenarios to practice ventilator management for COVID-19 patients.

##### Session 5: Hemodynamic Management and Monitoring

- **Hemodynamic Support:** Understanding strategies for managing hemodynamic instability in COVID-19 patients.
- **Monitoring Techniques:** Exploring advanced monitoring tools for critically ill COVID-19 patients

### Day 3: 5 hours

#### Advanced Care Strategies and Scenarios

##### Session 5: Rehabilitation and Long-term Care Planning

- **Post-ICU Care:** Planning rehabilitation and long-term care for COVID-19 survivors.
- **Psychological Support:** Addressing mental health considerations for ICU patients and survivors.

##### Session 6: Team Dynamics and Communication in ICU

- **Interdisciplinary Team Coordination:** Emphasizing effective teamwork among healthcare professionals in ICU settings.
- **Patient-Family Communication:** Strategies for communicating with families of critically ill patients.

##### Session 7: Ethical Considerations and Decision-Making

- **Ethical Dilemmas:** Addressing ethical considerations in ICU care, including resource allocation and end-of-life decisions.
- **Decision-Making Protocols:** Developing frameworks for critical decisions in ICU settings.

##### Session 8: Certificates

- **Certificates of Completion:** Providing certificates to participants for successful completion of the COVID-19 ICU training workshop.

  
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