



FRCS Riyadh, KSA

27-28 SEPTEMBER 2024

Fundamental Respiratory Care Support Course

VENUE: ALFAISAL UNIVERSITY, RIYADH, SAUDI ARABIA

Organized By:



In Collaboration With:



TOPICS INCLUDE:

Fundamentals of Respiratory Care I:

- Respiratory System Anatomy & Physiology
- Respiratory Assessment
- Oxygen Therapy
- Humidity Therapy
- Aerosol Therapy
- Airway Clearance & Lung Expansion Therapy
- Chest Imaging

Fundamentals of Respiratory Care II:

- Fundamentals of Respiratory Care Pharmacology
- Common Cardiopulmonary Disorders
- COPD Diagnosis, Management and Education
- Asthma Diagnosis, Management and Education
- Pulmonary Function Testing
- Sleep Disorders

Adult Respiratory Critical Care I:

- Airway Management
- Noninvasive Respiratory Support
- Ventilator Modes
- Advanced Patient Monitoring & Waveform Analysis

Adult Respiratory Critical Care II:

- Lung Protective Ventilation Approaches in Various Diseases
- Liberation From Mechanical Ventilation
- Cardiopulmonary Disorders in Acute Respiratory Care

TARGET AUDIENCE:

- Intensivists
- Pulmonologists
- Respiratory Therapists
- Respiratory Interns
- Internists and Fellows in Training
- Medicine Residents
- Critical Care Nursing

GOALS & OBJECTIVES

- To set the stage for the subsequent lectures, a review of the respiratory system anatomy and physiology and the respiratory therapies and modalities following assessment.
- A review of all assessment of tools and diagnostic tools and appropriate therapies for respiratory compromised patients.
- A review of all Oxygen Therapy, Humidity and Aerosol Therapy equipment and devices, and their clinical application and management
- A review of all Airway Clearance & Lung Expansion Therapy equipment and devices, and their clinical application and management equipment
- Overview of common and acute Cardiopulmonary Disorders diagnoses and management.
- Introduction to Respiratory Care Pharmacology
- A current review of COPD Diagnosis, Management and Education
- A current review of Asthma Diagnosis, Management and Education
- To set the stage for the subsequent lectures, appropriate response to significant changes in Respiratory status, identify the compromised airway, understand all airway maneuvers, initial bag mask ventilation, intubation and extubation procedures.
- A current comprehensive evidence-based review of NIV modalities and modes and appropriate clinical application, full comparison between all modalities.
- A comprehensive look at all available contemporary modes of mechanical ventilation and their clinical application, and an evidence-based full comparison between all modalities.
- An up-to-date presentation of advanced patient monitoring devices and applications and waveform analysis of all common contemporary mechanical ventilators.
- A comprehensive current update on lung protective ventilation strategies and clinical approaches in various diseases.
- A current review of various weaning strategies of weaning to extubation.

SKILL STATIONS

Fundamentals of Respiratory Care Skill Stations:

Oxygen Therapy & Humidity Therapy - Aerosol Therapy - Airway Clearance & Lung Expansion Therapy - Airway Management - PFT

Adult Respiratory Critical Care Skill Stations:

Noninvasive Respiratory Support
Ventilator Modes - Lung Protective Ventilation
Waveform Analysis

