



VENUE: MOHAMMED ALMANA COLLEGE FOR MEDICAL SCIENCES



MACHS
Main Auditorium

THURSDAY AM & PM, 15 JANUARY 2026

TOPICS INCLUDE:

- ♦ Oxygen Therapy; The Fundamentals
- ♦ Humidity Therapy
- ♦ Aerosol Therapy
- ♦ Airway Clearance & Lung Expansion Therapy
- ♦ Airway Management
- ♦ Fundamentals of Respiratory Care Pharmacology
- ♦ Sleep Disorders
- ♦ Acid Base Balance, Blood Gas Analysis & Oxygenation
- ♦ Pulmonary Function Testing- Techniques and Interpretation
- ♦ Noninvasive Respiratory Support
- ♦ Ventilator Modes
- ♦ Advanced Patient Monitoring & Waveform Analysis
- ♦ Lung Protective Ventilation Approaches in Various Diseases
- ♦ Liberation From Mechanical Ventilation



MACHS
Classrooms

FRIDAY PM, 16 JANUARY 2026

SKILL STATIONS/ WORKSHOPS

Skill Stations - I
Aerosol Therapy

Skill Stations - II
Airway Clearance & Lung Expansion Therapy

Skill Stations - III
Airway Management

Skill Stations - IV
Noninvasive Respiratory Support

Skill Stations - V
Ventilator Modes

Skill Stations - VI
Pulmonary Function Testing



MACHS
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FRIDAY AM, 16 JANUARY 2026

TOPICS INCLUDE:

- ♦ Pathophysiology, Assessment and Monitoring
- ♦ Neonatal Pathophysiology, Assessment and Monitoring
- ♦ Respiratory Intensive Care of Neonates
- ♦ Neonatal & Pediatric Resuscitation
- ♦ Neonatal & Pediatric Ventilation



MACHS
Classrooms

FRIDAY PM, 16 JANUARY 2026

SKILL STATIONS/ WORKSHOPS

Skill Stations - I
Neonatal & Pediatric Resuscitation

Skill Stations - II
Neonatal & Pediatric Ventilation



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INTERACTIVE SESSIONS

- ♦ International Collaboration in Respiratory Care Education
- ♦ Meet The Experts In Respiratory Care Services Management

HOT TOPICS IN PULMONARY FUNCTION TESTING & INTERPRETATIONS

- ♦ Mastering the Latest ATS Guidelines: Essential for Accurate Reporting and Interpretation.
- ♦ New Insights; The Evolving Role of Forced Oscillation Techniques in Pulmonary Function Testing.

MEET THE INDUSTRIES SESSIONS ABSTRACTS PRESENTATION

TARGET AUDIENCE:

- ♦ Intensivists
- ♦ Pulmonologists
- ♦ Respiratory Therapists
- ♦ Respiratory Interns
- ♦ Internists and Fellows in Training

SPONSORS:

To be Announced...

TOPICS INCLUDE:

- ♦ Shaping the Future in Healthcare: The AI Revolution in Respiratory Care
- ♦ What is Evidence-Based Respiratory Care?
- ♦ Healing the Healers; Burnout in Respiratory Care; Recognize, Respond, Recover
- ♦ The Future of Respiratory Care Profession and the Role of the AARC
- ♦ Individualized PEEP vs. PEEP Tables - What Does the Evidence Tell Us?
- ♦ HFNC Oxygen Therapy: Physiological Mechanisms, Initiation, and Management
- ♦ Using Pulse Oximetry Wisely
- ♦ Asynchrony: Consequences and Management



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SATURDAY PM, 17 JANUARY 2026

- ♦ Modern Approaches to Infant Ventilation with Hypoxic Respiratory Failure; Innovations and Insights
- ♦ What We've Learned About Bronchiolitis and High Flow Nasal Cannula
- ♦ Advances in Asthma and COPD Treatment: What's New and What's Next?
- ♦ Simulation-Based Learning Reimagined: What's New, What Works, What's Next
- ♦ Optimizing Clinical Training: Strengthening Preceptor-Student Partnership
- ♦ Why Teams Fail: The Leadership Imperative in Transforming The Culture of Your Team
- ♦ What I've Learned After 50 Years in Respiratory Care

- ♦ Medicine Residents
- ♦ Neonatologist
- ♦ Pediatric Intensivists
- ♦ Pediatric Fellows
- ♦ Critical Care Nursing

