Lung Summit: Advances in Pulmonary Medicine, Critical Care Medicine, and Mechanical Ventilation

September 18 – 20, 2014
InterContinental Hotel and Bank of America Conference Center
Cleveland, OH

Featuring Additional Sessions:
- Critical Care Ultrasound Day: Increase your skills with hands-on learning on live models
- Mechanical Ventilation Day: Learn patient safety, approaches to choosing modes of ventilation, and lung protection strategies

Register today! ccfcme.org/lungsummit
Attend the Cleveland Clinic Lung Summit this year!

This Summit provides a unique opportunity for you to interact with key opinion leaders and receive in-depth reviews and analyses of the newest developments in pulmonary medicine, critical care medicine, mechanical ventilation, and critical care ultrasound. These evidence-based presentations will provide you with the knowledge to improve outcomes in this patient population.

Attendees have an opportunity to attend a full-day course on Critical Care Ultrasonography at this year’s Lung Summit. This additional Saturday course will introduce the learner to the various aspects of critical care ultrasound using live models to perform hands-on image acquisition and interpretation. Participants will become familiar with the basic principles and applications of bedside critical care ultrasonography in the evaluation of shock and respiratory failure.

Another additional educational opportunity is Mechanical Ventilation Day. This Saturday activity will focus on essential topics in mechanical ventilation in which key issues regarding patient-ventilator synchrony will be reviewed, including understanding the approach to choosing a mode of ventilation, and reviewing how to use lung protective strategies during mechanical ventilation.

Who Should Attend

Pulmonologists, intensivists, hospitalists, anesthesiologists, respiratory therapists, physician assistants, acute care nurse practitioners, critical care nurses, pulmonary and critical care fellows, and other health care professionals interested in pulmonary and critical care medicine and newer modes of mechanical ventilation.

You'll Gain Knowledge in These Areas

**Pulmonary Medicine**
- Discuss the accuracy of methods for diagnosing sleep apnea
- Summarize the effects of sleep apnea on the cardiovascular system
- Describe neuromuscular disorders associated with sleep apnea
- Describe the role of interventional pulmonary in the management of pleural disease, COPD, and mediastinal adenopathy

**Critical Care Medicine**
- Describe a step-wise approach to manage refractory hypoxemia; conventional interventions, prone positioning, paralysis, and the role of rescue therapies
- Discuss the value of therapeutic hypothermia after cardiac arrest and ideal temperature targets
- Review the clinical significance of coagulopathy in patients with advanced chronic liver disease
- Summarize therapeutic interventions for the management of major pulmonary embolism
- Summarize clinical issues surrounding resistant pathogens and the choice of antimicrobials to manage MDR infections in the ICU
- Discuss the impact of delirium, sedation, and mobilization on outcomes of critically ill patients
- Review current evidence supporting the use of low tidal volumes for all mechanically ventilated patients.

**Critical Care Ultrasound**
- Describe the basic principles and applications of ultrasonography in pulmonary and critical care practices
- Demonstrate appropriate image-acquisition techniques in critical care ultrasonography
- Interpret normal and abnormal image cases

**Mechanical Ventilation**
- Summarize the key issues regarding patient-ventilator synchrony
- Discuss issues related to weaning
- Define a rational approach to choosing a mode of ventilation
- Explain how to use lung protective strategies during mechanical ventilation
Summit Co-directors

Jorge A. Guzman, MD, FCCM
Director, Medical Intensive Care Unit
Respiratory Institute
Medical Director, ICU Operations
Cleveland Clinic Health System

Anita J. Reddy, MD
Interstitial Lung Disease Program
Department of Critical Care Medicine
Respiratory Institute
Cleveland Clinic

Ajit Moghekar, MD
Department of Critical Care Medicine
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Joseph G. Parambil, MD
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Pulmonary Vascular Program
Interstitial Lung Disease Program
Department of Pulmonary Medicine
Respiratory Institute
Cleveland Clinic

Robert L. Chatburn, MHHS, RRT-NPS, FAARC
Research Manager
Respiratory Institute
Cleveland Clinic

Guest Faculty

John P. Kress, MD
Professor of Medicine
Director, Medical ICU
Department of Medicine
Section of Pulmonary and Critical Care
University of Chicago
Chicago, IL

Richard Branson, MS, RRT, FAARC
Associate Professor of Surgery
Director of Critical Care Research
University of Cincinnati
Cincinnati, OH

Cleveland Clinic Faculty

Sudhir Krishnan, MD
Department of Critical Care
Department of Pulmonary Medicine
Respiratory Institute

Simon Lam, PharmD, RPh
Pharmacy Department
Medical Operations

Michael Machuzak, MD
Department of Pulmonary Medicine
Respiratory Institute

Reena Mehra, MD
Department of Molecular Cardiology
Lerner Research Institute
Department of Cardiovascular Medicine
Heart and Vascular Institute
Department of Pulmonary Medicine
Respiratory Institute
Sleep Disorder Center
Neurological Institute

Atul C. Mehta, MD, FACP, FCCP
Department of Pulmonary Medicine
Respiratory Institute

Eduardo Mireles-Cabodevila, MD
Department of Critical Care Medicine
Respiratory Institute

Marc Popovich, MD
Medical Director, Surgical Intensive Care Unit
Department of General Anesthesiology
Anesthesiology Institute

Sonali Sethi, MD
Department of Pulmonary Medicine
Respiratory Institute

Harneet Walia, MD
Sleep Disorders Center
Department of Neurology
Neurological Institute
Agenda

Thursday, September 18

Pulmonary Day

7:15 am  Registration/Continental Breakfast/Visit Exhibits

7:55 am  Welcome/Introduction
Joseph G. Parambil, MD
Anita J. Reddy, MD

Sleep Medicine
Moderator: Reena Mehra, MD

8:00 am  Sleep Apnea and its Effects on Cardiac Arrhythmias
Reena Mehra, MD

8:45 am  Sleep and Neuromuscular Disorders
Loutfi Aboussouan, MD

9:30 am  Sleep Apnea and its Role in Hypertension and Refractory Hypertension
Harneet Walia, MD

10:15 am  Refreshment Break/Visit Exhibits

Pro-Con Debate

10:30 am  All Patients Need a Polysomnogram to Diagnose Sleep Apnea
Puneet Garcha, MD

11:00 am  Patients Can Be Diagnosed With Sleep Apnea Using an At-Home Test
Andrew Garrow, MD

11:30 am  Rebuttals

12:00 pm  Lunch (on own)

Interventional Bronchoscopy
Moderator: Muzaffar Ahmad, MD

1:00 pm  Interventional Pulmonology in COPD
Joseph Cicenia, MD

1:45 pm  Pulmonologists Role in Pleural Disease
Sonali Sethi, MD

2:30 pm  Refreshment Break/Visit Exhibits

2:45 pm  Tracheobronchomalacia and Excessive Dynamic Airway Collapse
Francisco Almeida, MD

Pro-Con Debate

3:30 pm  EBUS Should be Used to Sample Mediastinal Adenopathy
Michael Machuzak, MD

4:00 pm  Mediastinal Adenopathy can be Sampled Blindly
Atul C. Mehta, MD

4:30 pm  Rebuttals

5:00 pm  Adjourn
Friday, September 19

Critical Care Day
Moderator: Jorge A. Guzman, MD

7:15 am Registration/Continental Breakfast/Visit Exhibits
8:00 am Acute Hypoxic Respiratory Failure: A “Care Bundle” Approach
R. Duncan Hite, MD
8:40 am A Recipe for Success? Prone Positioning and Paralysis in ARDS
Sudhir Krishnan, MD
9:10 am Rescue Therapies for Refractory Hypoxemia
Abhijit Duggal, MD
9:30 am Refreshment Break/Visit Exhibits
9:45 am Hypothermia Post Arrest: Still Worth It?
Jennifer Frontera, MD
10:30 am Coagulopathy in Advanced Liver Disease: Should You Worry?
Eduardo Mireles-Cabodevila, MD
11:15 am Management of Major PE: Is the Controversy Settled?
Jorge A. Guzman, MD
12:00 pm Lunch (on own)
1:00 pm How Critical Care Medicine is Heading “Back to the Future”
Marc Popovich, MD
1:50 pm Clinical Approach to MDR Pathogens in the ICU
Simon Lam, PharmD, RPh
2:40 pm Refreshment Break/Visit Exhibits
3:00 pm Sedation, Mobilization, and Delirium in the ICU
John P. Kress, MD
3:50 pm Low Tidal Volumes for All Patients?
Richard Branson, RRT
5:00 pm Adjourn

Saturday, September 20

Critical Care Ultrasound Day (additional registration fee)

7:15 am Registration Continental Breakfast/Visit Exhibits
8:00 am Welcome/Overview/Pretest
Ajit Moghekar, MD
8:20 am Ultrasound Basics and Knobology
8:50 am Cardiac Basics
9:20 am Cardiac Advanced
9:50 am Refreshment Break/Visit Exhibits
10:00 am Workshop A, Image Interpretation B
11:15 am Workshop B, Image Interpretation A
12:30 pm Lunch
1:30 pm Pleural Ultrasonography
2:00 pm Lung Ultrasonography
2:30 pm Refreshment Break/Visit Exhibits
2:45 pm Workshop A, Image Interpretation B
3:30 pm Workshop B, Image Interpretation A
4:15 pm Post-Test
4:45 pm Adjourn

Mechanical Ventilation Day (additional registration fee)

8:00 am Registration/Continental Breakfast/Visit Exhibits
8:45 am Welcome/Overview
Robert Chatburn, RRT-NPS
9:00 am Keynote Lecture
Patient-Ventilator Synchrony – Practical Details
Richard Branson, RRT
10:00 am Weaning from Mechanical Ventilation
John P. Kress, MD
10:30 am Refreshment Break/Visit Exhibits
11:00 am Choosing Modes of Mechanical Ventilation in 2014: Linking Technology to Patient Needs
Eduardo Mireles-Cabodevila, MD
11:30 am Lung Protective Ventilation Strategies
Rendell Ashton, MD
12:00 pm Adjourn

A five-minute question and answer period is included in each speaker’s allotted time.
General Information

Location

InterContinental Hotel and Bank of America
Conference Center
9801 Carnegie Avenue
Cleveland, OH 44106
Phone: 216.707.4100 or 877.707.8999

Hotel Accommodations

A block of rooms has been reserved at the InterContinental Hotel until 5:00 pm, August 15, 2014. To make your reservations, contact the Hotel Reservations Department at 855.765.8709. Please identify yourself as being with the Cleveland Clinic Lung Summit, for a special rate of $192 single/double plus tax. The hotel and conference center is located on the campus of the Cleveland Clinic.

Information

For further information about this course, contact the Cleveland Clinic Center for Continuing Education at:

Local: 216.448.0770
Toll Free: 800.238.6750
Web Address: ccfcme.org/lung

Registration and Cancellation

Preregistrations are accepted until 2:00 pm ET, September 15, 2014. Register on site after this date. In case of cancellation, a full refund will be made if canceled by September 10, 2014. After September 10, 2014, a $100 cancellation fee will be deducted from your refund. Written notification of your cancellation is required to process your refund. NO REFUNDS WILL BE ISSUED AFTER October 31, 2014.

For questions about registration, call 216.448.0777 or email us at cmeregistration@ccf.org.

Parking

Parking is available in the East 100th St./Carnegie Ave. Visitor’s Parking Garage at prevailing rates. Valet parking is available at the hotel for an additional charge.

Faculty Disclosure

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

Accreditation

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 22.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

The Ohio Board of Nursing will accept at face value the number of contact hours awarded for an educational activity that has been approved for CE by a nationally accredited system of CE approval. Therefore, the 22.25 AMA PRA Category 1 Credits™ will be accepted for nursing credits.

Application has been made to the American Association for Respiratory Care (AARC) for continuing education contact hours for respiratory therapists.

Americans with Disabilities Act

The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity.

Recording or reproducing of this summit in any format is prohibited.
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Two Ways to Register

ONLINE
cfcme.org/lungsummit
Cleveland Clinic employee fees and registration are available online only.

BY MAIL
The Cleveland Clinic Educational Foundation
PO Box 931653, Cleveland, OH 44193-1082
Registration form can be downloaded from the course website.

Fees

Fee Includes: Online access to presentations in PDF format, meeting materials, continental breakfasts, and refreshment breaks. The Critical Care Day includes lunch.

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<tr>
<th>After August 1, 2014 a $100 charge will be added to each registration category.</th>
<th>Summit Only Thursday, Sept 18 and Friday, Sept 19</th>
<th>Critical Care Ultrasound Day Only Saturday, Sept 20</th>
<th>Mechanical Ventilation Day Only Saturday, Sept 20</th>
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<tr>
<td>Physician</td>
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* Letter from program director is required to receive the discounted fee. If letter is not received two weeks prior to the activity, the full physician fee will be charged.

For registration questions, please send email to cmeregistration@ccf.org or call 216.448.0777.

Cleveland Clinic recognizes the importance of protecting the privacy and security of information provided to us. Therefore, we are no longer requesting credit card data in writing, including on registration forms or faxes. If you would like to register using a credit card, please log in to www.cfcme.org/lungsummit or call 216.448.0777 where it will be handled directly by a certified processor.

#3 in the U.S. Pulmonology
Best in Ohio

U.S. News & World Report 2013-14 ‘Best Hospitals’ Rankings

About Cleveland Clinic Respiratory Institute
At Cleveland Clinic’s Respiratory Institute, we provide world-class patient care by combining our strengths in clinical expertise, research, and education. Serving over 110,000 patient visits annually, the Respiratory Institute’s unsurpassed expertise and experience attracts patients from all over the world who seek a definitive diagnosis and cutting-edge treatment, often for a rare or complex lung disorder. With more than 100 pulmonologists, allergists/immunologists and critical care specialists, the Respiratory Institute diagnoses and treats a wide range of lung, allergy and breathing-related conditions. U.S. News & World Report has ranked Cleveland Clinic #3 in the U.S. in Pulmonology.
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