

# Pulmonary Medicine Board Review 2024

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Title: Pulmonary Medicine Board Review 2024

Chair: Sandhya Khurana, MD, FCCP Vice-Chair: Saadia Faiz, MD, FCCP

Date: August 25-27, 2024 Location: Glenview, IL

# Agenda

# Sunday, August 25, 2024

Sanday, August 25, 2024		
7:00 am - 7:15 am	<b>Welcome and Introductions</b> Sandhya Khurana, MD, FCCP	
7:15 am - 8:00 am	Pneumonia: Community- and Hospital-Acquired Marcos Restrepo, MD, PhD, FCCP	
8:00 am - 8:45 am	<b>Viral, Fungal, and Unusual (Actinomyces and Nocardia) Infections</b> <i>Marcos Restrepo, MD, PhD, FCCP</i>	
8:45 am - 9:25 am	Pregnancy and Women's Health in Pulmonary Medicine Stephanie Levine, MD, FCCP	
9:25 am - 9:40 am	Panel Q&A All Faculty	
9:40 am - 9:55 am	Break	
9:55 am - 10:35 am	Diffuse Parenchymal Lung Disease Jay Ryu, MD, FCCP	
10:35 am - 11:15 am	Pulmonary Hypertension Debbie Levine, MD, FCCP	
11:15 am - 11:55 pm	Lung Transplantation Debbie Levine, MD, FCCP	
11:55 am – 12:10 pm	Panel Q&A All Faculty	
12:10 pm - 1:20 pm	Lunch	
1:25 pm – 1:30 pm	Welcome Back and Review Saadia Faiz, MD, FCCP	
1:30 pm - 2:10 pm	Vasculitis and Alveolar Hemorrhage Rodrigo Cartin-Ceba, MD, MS	
2:10 pm - 2:50 pm	Eosinophilic Lung Diseases Stephanie Levine, MD, FCCP	
2:50 pm - 3:30 pm	Mediastinal Tumors and Other Neoplasms Jay Ryu, MD, FCCP	
3:30 pm - 3:45 pm	Panel Q&A All Faculty	
3:45 pm - 4:00 pm	Break	
4:00 pm - 4:40 pm	Respiratory Failure	



Mangala Narasimhan, DO, FCCP

4:40 pm - 5:20 pm **Mechanical Ventilation** 

Mangala Narasimhan, DO, FCCP

5:20 pm - 5:35 pm **Panel Q&A** 

All Faculty

5:35 pm - 6:15 pm Large Group Rapid-Fire SEEK Questions

Jack Buckley, MD, FCCP Stephanie Levine, MD, FCCP

# Monday, August 26, 2024

6:50 am - 7:00 am	<b>Welcome and Introduction</b> Saadia Faiz, MD, FCCP	
7:00 am - 7:40 am	Shock, Sepsis, Hemodynamic Monitoring Carrie Quill, MD, FCCP	
7:40 am - 8:20 am	Nonpulmonary Critical Care Pearls Carrie Quill, MD, FCCP	
8:20 am - 9:00 am	Thromboembolic Disease Dominick Roto, MD	
9:00 am - 9:15 am	Panel Q&A All Faculty	
9:15 am - 9:30 am	Break	
9:30 am - 10:10 am	<b>Principles and Practice of Thoracic Ultrasound</b> <i>Akshay Srikanth, MD</i>	
10:10 am - 10:50 am	Pleural Diseases 1 Saadia Faiz, MD, FCCP	
10:50 am - 11:30 am	Pleural Diseases 2 Saadia Faiz, MD, FCCP	
11:30 am - 11:45 am	Panel Q&A All Faculty	
11:45 am - 1:00 pm	<b>Lunch</b> Optional Non-CME Lunch Symposia (Regeneron)	
1:05 pm - 1:10 pm	Welcome Back and Review Sandhya Khurana, MD, FCCP	
1:10 pm – 1:50 pm	Lung Cancer 1 Gerard Silvestri, MD, Master FCCP	
1:50 pm – 2:30 pm	Lung Cancer 2 Gerard Silvestri, MD, Master FCCP	
2:30 pm – 3:10 pm	Interventional Pulmonary Momen Wahidi, MD, FCCP	
3:10 pm - 3:25 pm	Panel Q&A All Faculty	



Break
Sleep Disorders 1 Nancy Collop, MD, Master FCCP
Sleep Disorders 2 Nancy Collop, MD, Master FCCP
Panel Q&A All Faculty
Break
Large Group Rapid-Fire SEEK Questions Jack Buckley, MD, FCCP Sandhya Khurana, MD, FCCP

# Tuesday, August 27, 2024

7:00 am - 7:10 am	Welcome and Introduction Sandhya Khurana, MD, FCCP
7:10 am - 7:50 am	Symptoms of Pulmonary Disease, Environmental and Occupational Lung Disease Clayton Cowl, MD, MS, FCCP
7:50 am - 8:40 am	COPD Sandhya Khurana, MD, FCCP
8:40 am - 9:10 am	CPET, Respiratory Physiology and Cases Darcy Marciniuk, MD, Master FCCP
9:10 am - 9:30 am	Panel Q&A All Faculty
9:30 am - 9:45 am	Break
9:45 am - 10:35 am	Asthma Sandhya Khurana, MD, FCCP
10:35 am - 11:15 am	Bronchiectasis (Noncystic Fibrosis) and Nontuberculosis Mycobacteria Doreen Addrizzo-Harris, MD, FCCP
11:15 am - 11:55 am	<b>Tuberculosis (TB) and Latent TB Infection</b> Doreen Addrizzo-Harris, MD, FCCP
11:55 am - 12:10 pm	Panel Q&A All Faculty
12:10 pm - 12:50 pm	Lunch
12:50 -12:55 pm	Welcome Back and Review Saadia Faiz, MD, FCCP
12:55 pm – 1:35 pm	Thoracic Radiology 1 Rakesh Shah, MD
1:35 pm – 2:15 pm	Thoracic Radiology 2 Rakesh Shah, MD



2:15 pm – 2:50 pm Additional Radiology Cases and Radiology Q&A

Rakesh Shah, MD

2:50 pm - 3:05 pm **Break** 

3:05 pm - 3:45 pm Large Group Rapid-Fire SEEK Questions

Darcy Marciniuk, MD, Master FCCP

Jack Buckley, MD, FCCP

3:45 pm - 4:00 pm Wrap-Up and Adjourn

Prerecorded lectures (available online before/after live course)

Cystic Fibrosis - Holly Keyt, MD

Pathology I and II - Andrew Churg, MD

Respiratory Biology/Immunology - Rodrigo Cartin-Ceba, MD, MS

Less Common Pulmonary Disease - Jay Ryu, MD, FCCP

Statistics/Epidemiology - Jack Buckley, MD, FCCP

Respiratory Physiology and Additional CPET Cases - Darcy Marciniuk, MD, Master FCCP

#### **Course Description**

This premier course will review the information you should know for the ABIM Pulmonary Medicine Certification Examination. The exam tests your knowledge and clinical judgment in crucial areas of pulmonary medicine. Course content mirrors the content of the exam, as outlined by the ABIM. Whether you need to certify, recertify, or simply review, this course offers a thorough review you can put to the test with confidence.

#### **Course Objectives**

After participating in this educational activity, you should be able to:

- Describe the pathophysiology, clinical features, and treatment of common and uncommon pulmonary disorders.
- Assess diagnostic and interpret radiographic, physiologic, and pathologic tests.
- Apply clinical judgment skills to the diagnosis and treatment of patients with chest disease.

#### **Passing Standard**

In order to pass this course, participants will be required to complete a pre-test, pass the post exam with a score of 70% or higher, and complete a post evaluation form.

#### **CHEST Learning Category(s)**

Learning Category 1: Lecture-based

#### **Maintenance of Licensure**

Maintenance of Credit (MOC) offered in medical knowledge.

Scope of Practice – Pulmonary Education

**FACULTY** 



#### Chair

#### Sandhya Khurana, MD, FCCP

Professor, Pulmonary & Critical Care Medicine Director, Mary Parkes Center for Asthma, Allergy & Pulmonary Care University of Rochester Rochester, NY

#### Vice-Chair

#### Saadia A. Faiz, MD, FCCP

Professor
Department of Pulmonary Medicine
Division of Internal Medicine
The University of Texas MD Anderson Cancer Center
Houston, TX

#### Doreen Addrizzo-Harris, MD, FCCP

Professor of Medicine
Associate Director, Clinical and Academic Affairs
Director, Pulmonary and Critical Care Fellowship
Co-Director, NYU Bronchiectasis/NTM Program
Division of Pulmonary, Critical Care and Sleep Medicine
NYU Grossman School of Medicine
New York, NY

#### John (Jack) D. Buckley, MD, FCCP

President, CHEST

#### Rodrigo Cartin-Ceba, MD

Professor of Medicine, Mayo Clinic College of Medicine and Science
Program Director, Pulmonary and Critical Care Fellowship Program
Research Director, Department of Critical Care Medicine
Consultant, Division of Pulmonary Medicine and Department of Critical Care Medicine
Mayo Clinic
Phoenix, AZ

#### Andrew M. Churg, MD

Professor of Pathology University of British Columbia Pathologist, Vancouver General Hospital Vancouver, BC, Canada

#### Nancy A. Collop, MD, FCCP

Professor of Medicine and Neurology Director, Emory Sleep Center Emory University Atlanta, GA

#### Clayton T. Cowl, MD, FCCP

CHEST, Past-President



Associate Professor of Medicine
Division of Public Health, Infectious Diseases and Occupational Medicine
Joint Appointment, Division of Pulmonary & Critical Care Medicine
Mayo Clinic
Rochester, MN

#### Saadia A. Faiz, MD, FCCP

Professor
Department of Pulmonary Medicine
Division of Internal Medicine
The University of Texas MD Anderson Cancer Center
Houston, TX

#### Holly L. Keyt, MD, FCCP

Associate Professor of Medicine Medical Director of Lung Transplantation Associate Director of Adult Cystic Fibrosis Program UT Health San Antonio San Antonio, TX

#### Deborah J. Levine, MD, FCCP

Professor of Medicine
Pulmonary Disease and Critical Care and Allergy
Stanford University
Palo Alto, CA

#### Stephanie M. Levine, MD, FCCP

CHEST, Past President
Professor of Medicine
Division of Pulmonary and Critical Care Medicine
Vice-Chair, Education – Department of Medicine
Staff Physician, South Texas Veterans Health Care System
San Antonio, TX

#### Darcy D. Marciniuk, MD, Master FCCP, FRCPC, FCAHS

CHEST, Past President
Professor of Medicine – Respirology, Critical Care, and Sleep Medicine
Associate Vice-President Research University of Saskatchewan
Saskatoon, SK, Canada

#### Mangala Narasimhan, DO, FCCP

SVP, Director of Critical Care Services
Medical Director of the Acute Lung Injury/VV ECMO Program
Northwell Health
Professor of Medicine
Donald and Barbara Zucker School of Medicine at Hofstra/Norwell
Hempstead, New York

#### Caroline Quill, MD

Assistant Professor of Medicine



Associate Program Director, Pulmonary & Critical Care Medicine Fellowship Associate MICU Director Clinician Educator University of Rochester Medical Center Rochester, NY

#### Marcos Restrepo, MD, FCCP

**Professor of Medicine** 

 ${\bf Division\ of\ Pulmonary\ and\ Critical\ Care\ Medicine-Department\ of\ Medicine}$ 

University of Texas Health San Antonio

Medical Intensive Care Unit at South Texas Veterans Health Care System Audi L. Murphy Division San Antonio, TX

#### Dominick Roto, DO

Assistant Professor of Medicine Division of Pulmonary and Critical Care Medicine University of Rochester Medical Center Rochester, NY

#### Jay H. Ryu, MD, FCCP

Consultant, Division of Pulmonary and Critical Care Medicine Dr. David E. and Bette H. Dines Professor of Pulmonary and Critical Care Medicine Mayo Clinic College of Medicine and Science Rochester, MN

### Rakesh D. Shah, MD, FCCP, FACR

Chief of Thoracic Radiology, Northwell Health Departments of Radiology and Medicine North Shore University Hospital Professor of Radiology Zucker School of Medicine at Hofstra Northwell Manhasset, NY

#### Gerard A. Silvestri, MD, Master FCCP

CHEST, Past President
Hillenbrand Professor of Thoracic Oncology
Division of Pulmonary and Critical Care Medicine
Medical University of South Carolina
Charleston, SC

#### Akshay Srikanth, MD

Senior Staff Physician
Department of Emergency Medicine, Division of Pulmonary and Critical Care Medicine
Henry Ford Hospital
Detroit, MI

# Momen M. Wahidi, MD, FCCP

Professor of Medicine
Director, Interventional Pulmonology and Bronchoscopy
Chief Medical Officer, Duke Patient Revenue Management Organization



Duke University Medical Center Durham, NC

#### **DISCLOSURE OF RELEVANT FINANCIAL RELATIONSHIPS**

The mission and vision of CHEST include our commitment to providing accurate, balanced, evidence-based information to health care professionals participating in this educational activity. To guarantee our accredited continuing education is fair and balanced and that any clinical content presented supports safe, effective patient care, we require all planners, faculty, and others in control of educational content to complete and submit a disclosure form. This form is for disclosure of any relevant financial relationships with ineligible companies within the prior 24 months, that will create a conflict of interest. We value the contributions of those that are committed and passionate about pulmonary medicine and want to be a part of our educational activities; however, it is our commitment to our learners to have continuing education free of commercial bias and marketing.

The process for mitigation of all conflicts of interest is via a review by the educational activity course director/chair, the Education Committee, and/or the Professional Standards Committee to ensure that such situations are properly mitigated and, if necessary, resolved. CHEST educational standards pertaining to conflict of interest is intended to maintain the professional autonomy of the clinical experts inherent in promoting a balanced presentation of science. Through our review process, all CHEST CME activities are ensured of independent, objective, scientifically balanced presentations of information. Disclosure of any or no relevant financial relationships will be made available online in course materials and on-site during all educational activities.

The following faculty members of this activity have disclosed to CHEST that they have a <u>relevant financial relationship</u> with a commercial interest as it relates to the activity:

Name	Role	Disclosure
		Clinical Trial, I am PI relationship with Insmed; 2017-
		2023; PI for research trial relationship with Hill-Rom;
		2019-2023; PI for research grant relationship with
		Zambone; 2018-2021; PI of research trial relationship
		with Boehringer; 2022-2023; Pi for a clinical trial;
		relationship with AN2; 2021 to present; PI clinical trial
		relationship with Armata; 4/2024; member DMSB
Addrizzo-Harris, Doreen (MD, FCCP)	Faculty	relationship with Mannkind; 5/2024
		Grant relationship with Huxley Medical; 9/1/2024
		through 9/1/2025; grant relationship with Zoll; May 1,
Collop, Nancy (MD, Master FCCP)	Faculty	2024 through May 1, 2029
		Consultant relationship with aztrazeneca; \$1001 -
		\$5000; Consultant relationship with auris medical;
		1001-5000; Scientific Medical Advisor relationship
		with auris medical; \$20001 - \$100000; Scientific
		Medical Advisor relationship with biodesix; \$20001 -
		\$100000; Consultant relationship with biodesix;
		20001-100000; Scientific Medical Advisor relationship
		with olympus america; 5000-20000; Consultant
Silvestri, Gerard (MD, Master FCCP)	Faculty	relationship with olympus america; \$1001 - \$5000
		Consultant relationship with Verathon; 2021-present;
		Consultant relationship with Cook; 2020-Present;
		Consultant relationship with Pulmonx; 2020-Present;
Wahidi, Momen (MD, MBA, FCCP)	Faculty	Consultant relationship with Olympus; 2019-Present



The remaining faculty/planner members of this course that are not listed in the grid above have indicated to CHEST that they have <u>no relevant financial relationships</u> with any commercial interests.

#### **Education Committee/Planners**

#### Chair

#### Hans J. Lee, MD, FCCP

Research, Consultant: Veran Medical, Veracyte, Coridea, Intuitive, Cook Medical, Merit Medical; President: Association of Interventional Pulmonary Program Directors; Education: Intuitive; Focus Group: Cook Medical; Advisory Board: Veracyte.

#### Vice-Chair

#### Mark Lavercombe, MBBS, FCCP

No relevant financial disclosures

#### **CHEST CME Staff Planners**

The following staff members have no relevant financial relationships to disclose:
Lisa Alvarez
Carolyn M. Jones
Teresa Rodriguez-Aviles
Richard Schuch, Ed.D

#### **CME/CE INFORMATION**

# CME/CE Claim Instructions 2024 Critical Care Medicine Board Review

To complete the Education Activity Evaluation for **2024 Critical Care Medicine Board Review** claim CME/CE credits and download CME/CE certificates and certificates of attendance (COA), please see the instructions below. **You must complete your evaluation and download your certificate prior to the product expiration date.** 

- 1. Sign in and navigate to your "My Learning" account at education.chestnet.org.
- 2. Find the course or event in your list and complete all required post course work.
- 3. Claim credits when prompted.

Your certificate and transcript can be viewed at any time under Claimed Courses on the Manage CME page.

If you are claiming MOC points, please make sure that your full name, date of birth, and ABIM number listed in your CHEST account matches what is listed in your ABIM account. To prevent delays in receiving MOC points, please check that your ABIM account is current.

If you need help, contact the CHEST Accreditation Team at <a href="mailto:cme@chestnet.org">cme@chestnet.org</a>. For faster assistance, outline the specific problem you are having, and provide your CHEST ID and contact information.

YOU MUST COMPLETE THE POSTCOURSE ASSESSMENT AND EDUCATION ACTIVITY EVALUATION PRIOR TO THE PRODUCT EXPIRATION DATE



The American College of Chest Physicians is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American College of Chest Physicians designates this enduring material for a maximum of **26** AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

#### **Nursing Credit**

Provider approved by the California Board of Registered Nursing, Provider Number 16433, for 26 contact hours.

#### **Nurse Practitioners**

The American Academy of Nurse Practitioners Certification Board (AANPCB) accepts AMA PRA Category 1 Credit<sup>TM</sup> from organizations accredited by the ACCME. Individuals are responsible for checking with the AANPCB for further guidelines.

#### **Physician Assistants**

American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit*™ from organizations accredited by ACCME or a recognized state medical society. PAs may receive a maximum of **26** Category 1 credits for completing this activity.

#### **Maintenance of Certification Statement**

Successful completion of this CME course enables the participant to earn up to 28 MOC Part 2 Medical Knowledge points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the course. It is the CME course provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC points.

Upon successful completion of this course, CHEST will submit your completion data to ABIM via ACCME's Program and Course Reporting System (PARS) for MOC points. To prevent delay in receiving your ABIM points, please make sure that your ABIM number, birthdate and full name in your CHEST account matches your ABIM account. Please also make sure that your ABIM account is current. After claiming CME credits, please allow <u>3-5 business</u> <u>days</u> after claiming for credits to show in your ABIM record.

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