

A photograph of the MD Anderson Cancer Center building, a large modern structure with a glass facade. Two flags, the American flag and the Texas state flag, are flying on tall poles in the foreground. The sky is overcast.

# 14th Interventional Pulmonology in Cancer Patients

An  
Intensive  
Hands-on  
Course

## February 23-24, 2023

MD Anderson Cancer Center  
6767 Bertner Avenue  
Mitchell Building (BSRB), Floor 3  
Houston, Texas

**Activity Director - Roberto Casal, MD**  
*Interventional Pulmonology*

**Activity Co-Director - George Eapen, MD**  
*Interventional Pulmonology*

**Activity Co-Director - David Rice, MD**  
*Thoracic Surgery*

THE UNIVERSITY OF TEXAS  
**MD Anderson  
Cancer Center**

Making Cancer History®

## COURSE DESCRIPTION

The activity is designed to review the current concepts and recent advances in interventional pulmonology as it pertains to the cancer patient, and to introduce new technologic advances that are poised to revolutionize the diagnosis, staging, and management of lung cancer. Malignancies involving the lungs continue to provide a significant challenge to chest physicians. With the exponential increase in technology, several minimally invasive diagnostic and therapeutic strategies are becoming feasible.

As the largest cancer center in the world, MD Anderson is able to offer a depth and breadth of clinical experience and training that few can match. With a distinguished faculty made up of the world's top experts, this course is designed to provide the participant with a state-of-the-art review of the principles and practice of interventional pulmonology in patients with thoracic malignancies.

In addition to attending interactive didactic sessions, participants will also receive extensive practical instruction in selected techniques utilizing *in vivo* animal models. Instruction group size is limited in order to maximize interaction and individual "hot zone" time. Additional instruction can be individualized for those wishing to emphasize particular techniques. Endobronchial Ultrasound techniques will be particularly stressed, and participants should be able to acquire the cognitive and technical skills to safely perform Endobronchial Ultrasound guided transbronchial needle biopsies upon course completion.

## TARGET AUDIENCE

This course should be of interest to board-eligible/certified pulmonologists, thoracic surgeons, and trainees in pulmonary, critical care medicine, and thoracic surgery who have an interest in interventional pulmonology.

## EDUCATIONAL OBJECTIVES

At the conclusion of this educational activity, participants should be able to:

- Utilize appropriate lung cancer screening techniques according to national guidelines and standards
- Assimilate the therapeutic options for management of airway tumors
- Interpret the available evidence for adjunctive therapies in the palliative and curative management of lung cancer
- Utilize the principles of evidence based medicine in evaluating new technologies
- Demonstrate the ability to perform Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration on a porcine model and to perform other aspects of cytological diagnosis
- Perform endobronchial intubation on a porcine model
- Incorporate evidence based best practices for the management of recurrent malignant pleural effusions

## EDUCATIONAL METHODS

- Lecture/Didactic
- Interactive Case Discussions
- Skills-Based Demonstration
- *In Vivo* Wet Lab Stations
- Question-and-Answer Sessions (Audience Response System)

## EVALUATION

An on-line course evaluation tool will provide participants with the opportunity to comment on the value of the program content to their practice decisions, performance improvement activities, or possible impact on patient health status. Participants will also have the opportunity to comment on any perceived commercial bias in the presentations as well as to identify future educational topics.

## ACCREDITATION / CREDIT DESIGNATION (DIDACTIC SESSION AND HANDS-ON SESSIONS)

The University of Texas MD Anderson Cancer Center is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Texas MD Anderson Cancer Center designates this live activity for a maximum of 14.25 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## CME CERTIFICATES AND ATTENDANCE VERIFICATION CERTIFICATE

Certificates awarding *AMA PRA Category 1 Credit*<sup>™</sup> or certificates documenting attendance will be emailed when an individual completes the on-line CE Verification process after the conference. To obtain a CME certificate, physicians must complete the on-line evaluation questionnaire and CME Verification for each session.

A record of attendance (certificate) will be provided on-line to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.





# Program Agenda

Thursday, February 23, 2023

**MORNING SESSION** - Moderator: Roberto F. Casal, MD

- 7:00 am Registration and Breakfast
- 7:20 **Conference Welcome**  
*Rodolfo Morice, MD*
- 7:30 **Interactive Case Based – Discussions**  
**Case 1** (7:30a-8:15a)  
**Case 2** (8:15a-9:00a)
- 9:00 **Tracheo-Bronchial Resection**  
*Garrett Walsh, MD*
- 9:30 Break
- 9:55 **Transition to Lab Stations**
- 10:15 **In Vivo Wet Lab Stations – Session**
  - **Session 1** (10:20a-11:05a)
  - **Session 2** (11:15a-12:00p)
- 12:00 pm Lunch (Provided)

**AFTERNOON SESSION**

- 1:00 **In Vivo Wet Lab Stations – Session**
  - **Session 3** (1:00p-1:50p)
  - **Session 4** (1:55p-2:45p)  
(Break)
  - **Session 5** (3:00p-3:50p)
  - **Session 6** (3:55p-4:45p)
- 4:45 pm Adjourn  
*Welcome Reception - Wolf Gang Puck Restaurant*



## Friday, February 24, 2023

### **MORNING SESSION** - Moderator: George A. Eapen, MD

- 7:00 am Registration and Breakfast
- 7:10 **Interactive Case Based - Discussions**  
**Case 3** (7:10a-7:55a)  
**Case 4** (7:55a-8:40a)
- 8:40 **Personalized Therapy for Lung Cancer**  
*Mehmet Altan, MD*
- 9:10 **Stereotactic Ablative Radiotherapy in Lung Cancer**  
*Joe Chang, MD*
- 9:40 Break
- 10:05 **Transition to Lab Stations**
- 10:20 ***In Vivo* Wet Lab Stations – Session**  
• **Session 1** (10:20a-11:05a)  
• **Session 2** (11:15a-12:00p)
- 12:00 pm Lunch (Provided)

### **AFTERNOON SESSION**

- 1:00 ***In Vivo* Wet Lab Stations – Session**  
• **Session 3** (1:00p-1:50p)  
• **Session 4** (1:55p-2:45p)  
(Break)  
• **Session 5** (3:00p-3:50p)  
• **Session 6** (3:55p-4:45p)
- 4:45 pm Course Adjourned





## ***IN VIVO* WET LAB STATIONS**

- **Shape Sensing Rigid Bronchoscopy Skills w/ Mobile Cone Beam CT**
- **Endobronchial Valves**
- **SEMS w/Fluoro**
- **Rigid Bronchoscopy & Silicone Stents**
- **APC Cryospray**
- **Percutaneous Tracheostomy**
- **Cryobiopsy w/Fluoro & Cone Beam CT Guidance**
- **EBUS Simulator**
- **Pleuroscopy and Tunneled Indwelling Pleural Catheters**
- **Radial Probe EBUS**
- **Difficult Airway Management**
- **Electromagnetic Guided Robotic Bronchoscopy w/ Mobile Cone Beam CT guidance**



## MD ANDERSON FACULTY

**Mehmet Altan, MD**

*Assistant Professor  
Department of Pulmonary Medicine*

**Neil Bailard, MD**

*Professor  
Department of Anesthesiology and  
Perioperative Medicine*

**Lara Bashoura, MD**

*Professor  
Department of Pulmonary Medicine*

**Roberto Casal, MD, Activity Director**

*Associate Professor  
Department of Pulmonary Medicine*

**Joe Chang, MD**

*Professor  
Department of Radiation Oncology*

**George Eapen, MD, Activity Co-Director**

*Professor  
Department of Pulmonary Medicine*

**Saadia Faiz, MD**

*Professor  
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**Horiana Grosu, MD**

*Associate Professor  
Department of Pulmonary Medicine*

**Olakunle Idowu, MD**

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**Carlos Jimenez, MD**

*Professor  
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**Pablo Diaz-Jimenez, MD**

*Adjunct Faculty  
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**Julie Lin, MD**

*Assistant Professor  
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**Teresa Moon, MD**

*Associate Professor  
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**David Ost, MD**

*Professor  
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**David Rice, MD, Activity Co-Director**

*Professor  
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Surgery*

**Bruce Sabath, MD**

*Assistant Professor  
Department of Pulmonary Medicine*

**Mona Sarkiss, MD, PhD**

*Professor  
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Perioperative Medicine*

**John Stewart, MD, PhD**

*Professor  
Department of Pathology*

**Alda Lui Tam, MD**

*Associate Professor  
Department of Interventional Radiology*

**January Tsai, MD**

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**Catherine Vu, MD**

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**Garrett Walsh, MD**

*Professor  
Department of Thoracic & Cardiovascular  
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## GUEST FACULTY

**Francisco Almeida, MD**

*Assistant Professor of  
Medicine  
Interventional Pulmonology  
Cleveland Clinic  
Cleveland, Ohio*

**Heinrich Becker, MD**

*Professor and Director  
Department of  
Interdisciplinary Endoscopy  
Thoracic Clinic  
University of Heidelberg  
Heidelberg, Germany*

**Labib Debiane, MD**

*Senior Staff Physician  
Henry Ford Hospital  
Detroit, Michigan*

**Pushan Jani, MD**

*Assistant Professor  
Interventional Pulmonology  
McGovern Medical School at  
UTHealth  
Houston, Texas*

**Lisa Kopas, MD**

*Staff Physician  
The Methodist Hospital  
Houston, Texas*

**Donald Lazarus, MD**

*Assistant Professor of  
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Baylor College of Medicine  
Houston, Texas*

**Jared Lee, MD**

*Staff Physician  
The Methodist Hospital  
Houston, Texas*

**Chris Manley, MD**

*Associate Professor  
Fox Chase Cancer Center  
Temple Health  
Temple, Texas*

**Mike Machuzak, MD**

*Associate Staff Member  
Cleveland Clinic  
Cleveland, Ohio*

**Mathieu Marcoux, MD**

*Interventional Pulmonology  
Centre Hospitalier  
Universitaire de Quebec - Laval  
University  
Quebec, Canada*

**Russell Miller, MD**

*Medical Staff Interventional  
Pulmonology Scripps Green  
Hospital  
La Jolla, California*

**Rodolfo Morice, MD**

*Professor and Respiratory  
Consultant  
Wellington Hospital, CCDHB  
Wellington, New Zealand  
Adjunct Professor of Medicine  
The University of Texas MD  
Anderson Cancer Center*

**Neil Ninan, MD**

*Interventional Pulmonology  
Crescent City Physicians New  
Orleans, Louisiana*

**Philip Ong, MD**

*Associate Professor of  
Medicine  
The University of Texas Health  
– San Antonio  
San Antonio, Texas*

**Jose Santacruz, MD**

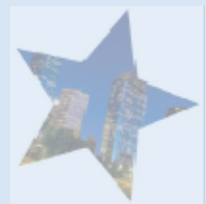
*Staff Physician  
The Methodist Hospital  
Houston, Texas*

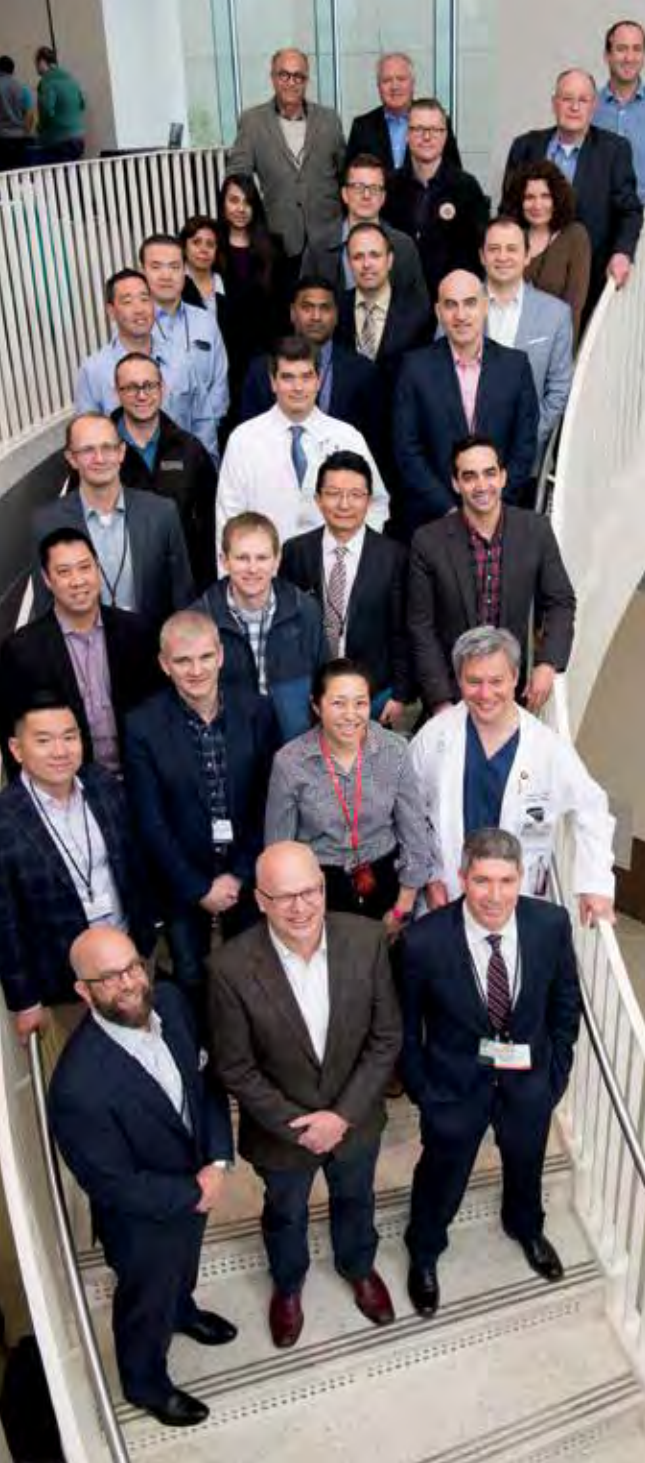
**Audra Schwalk, MD**

*Assistant Professor Interventional  
Pulmonology UT Southwestern  
Medical Center  
Dallas, Texas*

**Otis Rickman, MD**

*Associate Professor  
of Medicine & Thoracic  
Surgery  
Vanderbilt University  
Nashville, Tennessee*





## ABIM MAINTENANCE OF CERTIFICATION



### **MOC Points (American Board of Internal Medicine)**

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 14.25 MOC 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 activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

In order to claim MOC points, you will need to pass the post-test with a score of 70% or higher. You will be able to take the test as many times as you need to in order to pass. The number of MOC points you earn will be equal to the number of CME credits you claim.

# The deadline for advanced registration is January 30, 2023

## REGISTRATION INFORMATION

On-site registration opens at 7:00 am on Thursday, February 23, 2023 in the foyer outside Onstead Auditorium - Floor 3 of the Mitchell Building (BSRB). The opening session of the course will begin at 7:20 am on Thursday, and will adjourn at 4:45pm on Friday, February 24, 2023. Advanced registration is required as space and materials are limited.

The course registration fee includes tuition, breakfasts, breaks, lunches, and the welcome reception.

- On-line at: <https://mdanderson.org.cloud-cme.com>
- Mail checks to:  
**Continuing Professional Education (CPE) - Unit 1781**  
The University of Texas MD Anderson Cancer Center  
P.O. Box 301407  
Houston, TX 77230-1407

## WE ACCEPT THE FOLLOWING FORMS OF PAYMENT:

- Check (payable through U.S. banks only)
- Credit Cards (MasterCard, VISA, and American Express)

When registering online, a receipt/confirmation letter will be automatically emailed to the e-mail address that you registered with. Additional course information will be communicated via email 72 hours before the course start time.

## REFUND/CANCELLATION POLICY

The registration fee, minus a \$50 administrative handling fee, is refundable if a written request is received on or before **January 30, 2023**. No refunds will be granted after that date. The request for a registration refund must include the tax identification number of the company or institution if registration was paid by a company or institution check.

CPE reserves the right to cancel activities prior to the scheduled date if low enrollment or other circumstances make it necessary. Each registrant will be notified by mail, e-mail, or at the phone provided on the registration form portal.

In case of activity cancellation, the liability of CPE is limited to the registration fee. CPE will refund the full registration fee. CPE reserves the right to limit the number of participants in a program and is not responsible for any expenses incurred by an individual whose registration is not confirmed and for whom space is not available.

For additional information or Special Assistance, contact CPE at 713-792-2223 or toll free at 866-849-5866 or via e-mail: [register@mdanderson.org](mailto:register@mdanderson.org).

# ACCOMMODATIONS

A block of rooms has been reserved for course attendees at the **Houston Marriott Medical Center Hotel**, 6580 Fannin Street, Houston, Texas 77030.

- Early hotel reservation is suggested.
- When you make reservations, be sure to mention the **MD Anderson IP Course 2023** to be assured of receiving the special conference rate of \$179.00. Please add 17% Texas State and local taxes.
- The Marriott reservations phone number is 713-796-0080 or 1-800-228-9290.
- Reservations and deposits received after **5:00 pm, CST, January 2, 2023** will be confirmed if space is available and at currently published hotel guest room rates.

**The deadline for advanced registration is January 30, 2023**

## CONFERENCE REGISTRATION

### INTERVENTIONAL PULMONOLOGY IN CANCER PATIENTS: AN INTENSIVE HANDS-ON COURSE

**February 23-24, 2023**

#### PHYSICIANS

**Full Course Registration:** Includes Live Didactic and *InVivo* Lab Sessions

Received prior to 1/30/23 . . . . .	\$1,950.00
Received on or after 1/30/23. . . . .	\$2,350.00

**Live Didactic:** Includes Online Educational Materials and the Didactic Sessions

Received prior to 1/30/23. . . . .	\$1,000.00
Received on or after 1/30/23. . . . .	\$1,200.00

#### PHYSICIANS-IN-TRAINING\*

**Full Course Registration:** Includes Live Didactic and *InVivo* Lab Sessions

Received prior to 1/30/23. . . . .	\$1,000.00
Received on or after 1/30/23. . . . .	\$1,200.00

**Live Didactic:** Includes the Didactic Sessions

Received prior to 1/30/23 . . . . .	\$900.00
Received on or after 1/30/23. . . . .	\$1,100.00

*\*Requires a Letter of Verification from Department Chairman.*



The University of Texas MD Anderson Cancer Center has implemented a process whereby everyone who is in a position to control the content of an educational activity must disclose all financial relationships with any commercial interest that could potentially affect the information presented.

MD Anderson also requires that all faculty disclose any unlabeled use or investigational use (not yet approved for any purpose) of pharmaceutical and medical device products. Specific disclosure will be made to participants prior to the educational activity.

Agendas are subject to change because we are always striving to improve the quality of your educational experience. MD Anderson may substitute faculty with comparable expertise on rare occasions necessitated by illness, scheduling conflicts, and so forth.

**Photographing, audio taping and videotaping are prohibited.**

Please let us know what specific topics, issues or questions you wish to see addressed or emphasized in this activity. E-mail Continuing Professional Education (CPE). All responses will be forwarded to the Course Directors for consideration.