

Interventional Pulmonology in Cancer Patients

An
Intensive
Hands-on
Course

February 21-22, 2019

MD Anderson
Onstead Auditorium
Mitchell Building (BSRB), Floor 3
6767 Bertner Avenue
Houston, Texas 77030

Chair - Roberto Casal, MD
Interventional Pulmonology

Co-Chair - George Eapen, MD
Interventional Pulmonology

Co-Chair - David Rice, MD
Thoracic Surgery

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

Making Cancer History®

COURSE DESCRIPTION

The University of Texas MD Anderson Cancer Center is pleased to provide an intensive hands-on, two-day course 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 have revolutionized the diagnosis, staging, and management of lung cancer.

The course 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 conference 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 (*knowledge, competence*);
- Assimilate the therapeutic options for management of airway tumors (*knowledge, competence*);
- Interpret the available evidence for adjunctive therapies in the palliative and curative management of lung cancer (*knowledge, competence*);
- Utilize the principles of evidence based medicine in evaluating new technologies (*knowledge, competence*);
- Demonstrate the ability to perform Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration on a porcine model and to perform other aspects of cytological diagnosis (*knowledge, competence, performance, patient outcomes*);
- Perform endobronchial stenting on a porcine model (*knowledge, competence, performance, patient outcomes*);
- Incorporate evidence based best practices for the management of recurrent malignant pleural effusions (*knowledge, competence, performance*).

EDUCATIONAL METHODS

- Online Lectures and Quizzes
- Interactive Case Discussions
- Skills-Based Demonstration
- *In Vivo* Wet Lab Stations
- Panel Discussions
- Question-and-Answer Sessions

EVALUATION

A course evaluation survey 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 13.75 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CME CERTIFICATES AND ATTENDANCE VERIFICATION CERTIFICATES

Certificates awarding *AMA PRA Category 1 Credit*[™] or certificates documenting attendance will be emailed when an individual completes the online CME Verification process after the conference. To obtain a CME certificate, physicians must complete the online evaluation questionnaire and CME Verification for each session.

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





Program Agenda

Thursday, February 21, 2019

MORNING SESSION - Moderator: Roberto F. Casal, MD

- 7:00 am Breakfast and Registration
- 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 **Surgical Management of Airway Tumors**
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 (Location to be announced)

Friday, February 22, 2019

MORNING SESSION - Moderator: George A. Eapen, MD

- 7:00 am Breakfast and Registration
- 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**
Frank Mott, MD
- 9:10 **Curative Radiation Therapy for Early Stage Lung Cancer**
Daniel Gomez, 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**

Rigid Bronchoscopy Skills

Endobronchial Valves

SEMS w/Fluoro

Rigid Bronchoscopy & Silicone Stents

Percutaneous Tracheostomy

Peripheral/Central Bleeding

Cryobiopsy

EBUS Simulator

Pleuroscopy and Tunneled Indwelling Pleural Catheters

Electromagnetic Navigation Bronchoscopy

Radial Probe EBUS

Difficult Airway Management



MD ANDERSON FACULTY

Lara Bashoura, MD
Professor
Department of Pulmonary Medicine

Roberto Casal, MD, Course Director
Associate Professor
Department of Pulmonary Medicine

George Eapen, MD, Course Co-Director
Professor
Department of Pulmonary Medicine

Saadia Faiz, MD
Associate Professor
Department of Pulmonary Medicine

Daniel Gomez, MD
Associate Professor
Department of Diagnostic Radiology

Horiana Grosu, MD
Assistant Professor
Department of Pulmonary Medicine

Carlos Jimenez, MD
Professor
Department of Pulmonary Medicine

Pablo Diaz-Jimenez, MD
Adjunct Faculty
Department of Pulmonary Medicine

Teresa Moon, MD
Associate Professor
Department of Anesthesiology and
Perioperative Medicine

Frank Mott, MD
Associate Professor
Department of Head & Neck
Medical Oncology

David Ost, MD
Professor
Department of Pulmonary Medicine

David Rice, MD, Course Co-Director
Professor
Department of Thoracic & Cardiovascular
Surgery

Mona Sarkiss, MD, PhD
Professor
Department of Anesthesiology and
Perioperative Medicine

John Stewart, MD, PhD
Professor
Department of Pathology

Alda Lui Tam, MD
Associate Professor
Department of Diagnostic Radiology

January Tsai, MD
Associate Professor
Department of Anesthesiology and
Perioperative Medicine

Shital Vachhani, MD
Associate Professor
Department of Anesthesiology and
Perioperative Medicine

Garrett Walsh, MD
Professor
Department of Thoracic & Cardiovascular
Surgery

GUEST FACULTY

Heinrich Becker, MD
Professor and Director
Department of
Interdisciplinary Endoscopy
Thoracic Clinic
University of Heidelberg
Heidelberg, Germany

Alex Chen, MD
Associate Professor of
Medicine
Washington University
School of Medicine
Seattle, Washington

Labib Debiane, MD
Senior Staff Physician
Henry Ford Hospital
Detroit, Michigan

David Hsia, MD
Director, Bronchoscopy and
Interventional Pulmonary
Services
David Geffen School of
Medicine at UCLA
Los Angeles, California

Pushan Jani, MD
Assistant Professor
Interventional Pulmonology
McGovern Medical School at
UTHealth
Houston, Texas

Marcus Kennedy, MD
Interventional Pulmonologist
Consultant Respiratory and
General Physician
Cork University Hospital
Wilton, Ireland

Donald Lazarus, MD
Assistant Professor of
Medicine
Interventional Pulmonology
Baylor College of Medicine
Houston, Texas

Fabien Maldonado, MD
Associate Professor of
Medicine and Thoracic
Surgery
Program Director
Interventional Pulmonology
Fellowship
Vanderbilt University
Nashville, Tennessee

Mike Machuzak, MD
Associate Staff Member
Cleveland Clinic
Cleveland, Ohio

Russell Miller, MD
Medical Staff
Interventional Pulmonology
Scripps Green Hospital
La Jolla, California

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

Septimiu Murgu, MD
Associate Professor of
Medicine
Pulmonary and Critical Care
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University of Chicago
Chicago, Illinois

Neil Ninan, MD
Assistant Professor of
Medicine
Director, Interventional
Pulmonology
Tulane University Medical
Center
New Orleans, Louisiana

Philip Ong, MD
Assistant Professor
University of Texas Health
Science Center – San Antonio
San Antonio, Texas

Justin Reis, MD
Assistant Professor of
Medicine - USUHS
Pulmonary Clinic Director,
OIC
San Antonio Military
Medical Center
San Antonio, Texas

Otis Rickman, MD
Associate Professor
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Vanderbilt University
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Timothy Saeltele, MD
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University of Missouri –
Kansas City School of
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Kansas City, Missouri

Michal Sobieszczyk, MD
MAJ, MC, USA
Medical Director
Bronchoscopy Suite
San Antonio Military
Medical Center
University Health Network
San Antonio, Texas

Momen Wahidi, MD
Associate Professor of
Medicine
Director
Interventional Pulmonology
Duke University School of
Medicine
Durham, North Carolina

Kazuhiro Yasufuku, MD
Associate Professor of
Surgery
Division of Thoracic Surgery
University of Toronto,
Toronto General Hospital
University Health Network
Toronto, Canada

ONLINE EDUCATIONAL MATERIALS

EDUCATIONAL OBJECTIVES

- Utilize appropriate lung cancer screening techniques according to national guidelines and standards (*knowledge, competence*);
- Implement the appropriate work up for the lung cancer patient, using available staging modalities while understanding their individual limitations (*knowledge, competence, performance*);
- Describe the therapeutic options for management of airway tumors (*knowledge, competence*);
- Interpret the available evidence for adjunctive therapies in the palliative and curative management of lung cancer (*knowledge, competence*);
- Utilize the principles of evidence based medicine in evaluating new technologies (*knowledge, competence*);
- Incorporate evidence based best practices for the management of recurrent malignant pleural effusions (*knowledge, competence, performance, patient outcomes*).

TARGET AUDIENCE

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

EDUCATIONAL METHODS

- Online Lectures and Quizzes

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Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Texas MD Anderson Cancer Center designates this enduring material for a maximum of 6.75 *AMA PRA Category 1 Credit™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Release Date: December 1, 2018

Expiration Date: September 1, 2019

Estimated time to complete: 6 hours, 45 minutes

ABIM MAINTENANCE OF CERTIFICATION

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 6.75 Medical Knowledge 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.

Participant completion data will be shared with and transmitted to the ACCME on the participant's behalf.

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, 2019

REGISTRATION INFORMATION

On-site registration opens at 7:00 am on Thursday, February 21, 2019 in the foyer outside Onstead Auditorium on Floor 3 of the Mitchell Building (BSRB). The opening session of the conference will begin at 7:20 am on Thursday, and the conference will adjourn at 4:45 pm on Friday, February 22, 2019. Advanced registration is encouraged as space and materials are limited. Please see the registration form for applicable fees.

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

THERE ARE THREE WAYS TO REGISTER:

- On-line at www.mdanderson.org/conferences
- Fax to 713-794-1724
- Mail to CME/Conference Management - 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)
- Money Order
- Credit Cards (MasterCard, VISA, and American Express)
- Cash (accepted at on-site registration only)

If you register online, a receipt/confirmation letter will be automatically e-mailed to the e-mail address you provide on the registration form. If you register by fax or mail, a receipt/confirmation letter will be sent to you within ten working days of receipt of your fee.

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, 2019**. 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. For additional information, contact CME/Conference Management at 713-792-2223 or toll free at 866-849-5866.

CME/Conference Management 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 or fax numbers given on the registration form.

In case of activity cancellation, the liability of CME/Conference Management is limited to the registration fee. CME/Conference Management will refund the full registration fee. The CME/Conference Management 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.

SPECIAL ASSISTANCE

Contact the CME/Conference Management at 713-792-2223 or toll free at 866-849-5866 if you have any special dietary or ADA accommodation needs.

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 2019** to be assured of receiving the special conference rate of \$195.00. Please add 17% Texas State and local taxes.
- The Marriott reservations phone number is 713-796-0080 or 1-800-228-9290. On-line reservation code **IPCIPCA** to be assured of receiving the special meeting rate of \$195.00 single or double occupancy. Please add 17% Texas State and local taxes.
- Reservations and deposits received after **January 30, 2019** will be confirmed if space is available and at currently published hotel guest room rates.

GROUND TRANSPORTATION

(Prices are subject to change and vary depending upon the location of the conference.)

- Houston is served by two airports, George Bush Intercontinental (IAH) and William P. Hobby (HOU).
- Taxicabs are available at an estimated cost of \$40-60 to or from William P. Hobby Airport or George Bush Intercontinental Airport.
- Super Shuttle operates a shuttle bus between George Bush Intercontinental Airport and the Houston Marriott Medical Center Hotel for \$23 one-way, \$42 round-trip. For more information, call 713-523-8888 or toll free at 800-258-3826 or on-line at www.supershuttle.com.
- Super Shuttle operates a shuttle bus between William P. Hobby Airport and the Houston Marriott Medical Center Hotel for \$18 one-way and \$32 round-trip. For more information, call 713-523-8888 or toll free at 800-258-3826 or on-line at www.supershuttle.com.

PHYSICIANS

Full Course Registration: Includes Online Educational Materials, Live Didactic and Lab Sessions

Received prior to 1/30/19 \$1,950.00
 Received on or after 1/30/19..... \$2,350.00

Live Didactic: Includes Online Educational Materials and the Didactic Sessions

Received prior to 1/30/19 \$1,000.00
 Received on or after 1/30/19..... \$1,200.00

Online Educational Materials: Includes only access to the Online Educational Materials STUDY (Online Access) \$700.00

PHYSICIANS-IN-TRAINING*

Full Course Registration: Includes Online Educational Materials, Live Didactic and Lab Sessions

Received prior to 1/30/19 \$1,000.00
 Received on or after 1/30/19..... \$1,200.00

Live Didactic: Includes Online Educational Materials and the Didactic Sessions

Received prior to 1/30/19 \$900.00
 Received on or after 1/30/19..... \$1,100.00

Online Educational Materials: Includes only access to the Online Educational Materials STUDY (Online Access) \$500.00

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





CONFERENCE REGISTRATION

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

(D121085) **February 21-22, 2019**

The University of Texas MD Anderson Cancer Center
Onstead Auditorium, Mitchell Building – Floor 3
6767 Bertner Avenue, Houston, Texas 77030

Last Name		First	MI	Highest Degree
Department (include box no.)			Specialty	
Institution:		MD Anderson Employee ID No. (required for all MDACC employees)		Physician <input type="checkbox"/> Yes <input type="checkbox"/> No
Street		City		State/Foreign Country/Zip or Mail Code
E-mail Address				
Daytime Phone (with area code)		Phone (with area code)		Fax (with area code)
Emergency Contact				Phone (with area code)

PAYMENT OPTIONS:

Mail check or money order (payable through U.S. banks only) made payable to: UT MD Anderson Cancer Center
Mail: UT MD Anderson Cancer Center, CME/Conference Management-Unit 1781, PO BOX 301407, Houston, Texas 77230-1407
E-mail: egagneau@mdanderson.org or FAX: 713-745-3234

Credit Card #		Security Code/CVV/CSV	Authorized Signature REQUIRED for credit card	
<input type="checkbox"/> VISA <input type="checkbox"/> MasterCard <input type="checkbox"/> American Express				
Credit Card Holder Name (First/Last)		Expiration Date	Credit Card Holder Billing Address & Zip code	

MD Anderson Interdepartmental Transfer (IDT) No. *Fund Group 90 will not be accepted

Business Unit	Department	Fund Group*	Fund	Fund Type
Authorized Signature REQUIRED for Credit Card or IDT			MD Anderson Employee ID No. (REQUIRED)	
IDT Approver Name (First/Last) please print			IDT Approver E-mail	

REGISTRATION FEES

Received by January 30, 2019	Received after January 30, 2019
<input type="checkbox"/> Physician: \$1,950 (Full Course)	<input type="checkbox"/> Physician: \$2,350 (Full Course)
<input type="checkbox"/> Physician: \$1,000 (Live Didactic)	<input type="checkbox"/> Physician: \$1,200 (Live Didactic)
<input type="checkbox"/> Physician: \$700 (STUDY - Online Access)	<input type="checkbox"/> Physician: \$700 (STUDY - Online Access)
<input type="checkbox"/> Physician-in-Training: \$1,000 (Full Course)	<input type="checkbox"/> Physician-in-Training: \$1,200 (Full Course)
<input type="checkbox"/> Physician-in-Training: \$900 (Live Didactic)	<input type="checkbox"/> Physician-in-Training: \$1,100 (Live Didactic)
<input type="checkbox"/> Physician-in-Training: \$500 (STUDY - Online Access)	<input type="checkbox"/> Physician-in-Training: \$500 (STUDY - Online Access)

Full Course: Includes Online Education Materials, Live Didactic and *In Vivo* Wet Lab Sessions

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

Online Educational Materials: Includes only access to the Online Educational Materials

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 relevant 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. Fax or e-mail CME/Conference Management. All responses will be forwarded to the Course Directors for consideration.

CME/Conference Management - Unit 1781
The University of Texas MD Anderson Cancer Center
#176700/30/121085/41
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