

Interventional Pulmonology in Cancer Patients

An
Intensive
Hands-on
Course

February 16-17, 2017

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

THE UNIVERSITY OF TEXAS

MDAnderson
Cancer Center

Making Cancer History®

Interventional Pulmonology in Cancer Patients

An
Intensive
Hands-on
Course



February 16-17 2017

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

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, performance*);
- Implement the appropriate work-up for lung cancer patients, 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, performance, patient outcomes*);
- Incorporate evidence-based best practices for the management of recurrent malignant pleural effusions (*knowledge, competence*);
- Demonstrate the steps necessary to place an indwelling pleural catheter (*knowledge, competence, performance*);
- 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*);
- Demonstrate airway debulking techniques using argon plasma coagulation and endobronchial laser (*knowledge, competence, performance*);
- Perform endobronchial stenting on a porcine model (*knowledge, competence, performance*);
- Perform percutaneous tracheostomy placement (*knowledge, competence, performance*);
- Demonstrate the steps required for medical pleuroscopy (*knowledge, competence, performance*);
- Perform endobronchial valve placement in an explanted porcine model (*knowledge, competence, performance*).

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.

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.

A flipped classroom model will be utilized that promotes self-directed learning, reinforced by case based discussions and interactive didactic sessions. Participants will also receive extensive practical instruction in selected techniques utilizing in vivo animal models and high fidelity simulation. Instruction group size is limited in order to maximize interaction and individual hands-on time. Additional instruction can be individualized for those wishing to emphasize particular techniques. Endobronchial ultrasound, medical thoracoscopy, guided bronchoscopy and therapeutic bronchoscopy techniques will be particularly stressed. Upon completion of the course, participants should have acquired the cognitive skills to manage complex patients with thoracic malignancies.



EVALUATION

A course evaluation form 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

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 14.00 *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 distributed to participants as they depart the conference. To obtain a CME certificate, physicians must submit a completed evaluation questionnaire and a CME Verification Form.

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

EDUCATIONAL METHODS

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





Program Agenda

Thursday, February 16, 2017

MORNING SESSION - Moderator: George A. Eapen, MD

- 7:00 am Breakfast and Registration
- 7:30 **Conference Welcome**
Rodolfo Morice, MD / Pablo Diaz-Jimenez, MD
- 7:40 **Interactive Case-Based Discussions**
Case 1 (7:45-8:20a)
Case 2 (8:25-8:55a)
- 9:00 **Surgical Management of Airway Tumors**
Garrett Walsh, MD
- 9:40 Break / Transition to Lab Stations
- 10:00 ***In Vivo* Wet Lab Stations – Session**
 - **Session 1 (10:00-10:45a)**
 - **Session 2 (11:00-11:45a)** – 11:45 Transition to Lunch
- 12:00 pm Lunch (Provided)

AFTERNOON SESSION

- 1:00 ***In Vivo* Wet Lab Stations – Session**
 - **Session 3 (1:00-1:45p)**
 - **Session 4 (2:00-2:45p)**
 - **Session 5 (3:00-3:45p)**
 - **Session 6 (4:00-4:45p)**
- 5:00 Adjourn
- 5:30 pm Welcome Reception

Friday, February 17, 2017

MORNING SESSION - Moderator: Roberto A. Casal, MD

7:00 am Breakfast and Registration

7:20 **Interactive Case-Based Discussions**
Case 3 (7:20-7:50a)
Case 4 (7:55-8:25a)

8:30 **Personalized Therapy for Lung Cancer**
George Simon, MD

9:00 **Curative Radiation Therapy for Early Stage Lung Cancer**
Daniel Gomez, MD

9:30 **Panel Discussion / Questions & Answers**

10:00 Break / Transition to Lab Stations

10:20 ***In Vivo* Wet Lab Stations – Session**
• **Session 1 (10:25-11:10a)**
• **Session 2 (11:20-11:55a)** – 11:55 Transition to Lunch

12:00 pm Lunch (Provided)

AFTERNOON SESSION

1:00 ***In Vivo* Wet Lab Stations – Session**
• **Session 3 (1:00-1:45p)**
• **Session 4 (2:00-2:45p)**
• **Session 5 (3:00-3:45p)**
• **Session 6 (4:00-4:45p)**

5:00 pm Closing Remarks and Adjourn



IN VIVO WET LAB STATIONS

- **Rigid Bronchoscopy Skills (Sim Center)**
- **Endobronchial Valves (Sim Center)**
- **SEMS w/Fluoro**
- **Rigid Bronchoscopy & Silicone Stents**
- **APC Cryospray**
- **Percutaneous Tracheostomy (Sim Center)**
- **EBUS-TBNA**
- **EBUS Simulator (Sim Center)**
- **Pleuroscopy and Tunneled Indwelling Pleural Catheters**
- **Electromagnetic Navigation Bronchoscopy (Sim Center)**
- **Radial Probe Guided Bronchoscopy**
- **Cryobiopsy**
- **Radial Probe EBUS**
- **Difficult Airway Management**

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.

MD Anderson Faculty

George Eapen, MD**Course Director**

Professor

Department of Pulmonary Medicine

Roberto Casal, MD**Course Co-Director**

Professor

Department of Pulmonary Medicine

David Rice, MD,**Course Co-Director**

Professor

Department of Thoracic & Cardiovascular
Surgery

Lara Bashoura, MD

Associate 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

Assistant Professor

Department of Anesthesiology and
Perioperative Medicine

Rodolfo Morice, MD

Adjunct Professor

Department of Pulmonary Medicine

David Ost, MD

Professor

Department of Pulmonary Medicine

Mona Sarkiss, MD, PhD

Professor

Department of Anesthesiology and
Perioperative Medicine

George Simon, MD

Professor

Department of Head & Neck Medical
Oncology

John Stewart, MD, PhD

Associate Professor

Department of Pathology

Alda Lui Tam, MD

Associate Professor

Department of Diagnostic Radiology

January Tsai, MD

Assistant Professor

Department of Anesthesiology and
Perioperative Medicine

Shital Vacchani, MD

Assistant Professor

Department of Anesthesiology and
Perioperative Medicine

Garrett Walsh, MD

Professor

Department of Thoracic & Cardiovascular
Surgery

Guest Faculty

Luis Angel, MD

Associate Professor
Department of Surgery
UT Health Science Center
at San Antonio
San Antonio, Texas

Heinrich Becker, MD

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

Erik Folch, MD

Instructor of Medicine
Associate Director of Interventional
Pulmonology
Beth Israel Deaconess
Medical Center
Boston, Massachusetts

Colin Gillespie, MD

Assistant Professor of Medicine
Director
Interventional Pulmonary Medicine
Northwestern University Feinberg
School of Medicine
Chicago, Illinois

Donald Lazarus, MD

Assistant Professor of Medicine
Interventional Pulmonology
Baylor College of Medicine
Houston, Texas

Edward McCann, MD

Associate Program Director
SAUSHEC Pulmonary/Critical Care
Fellowship
UPMC – Wilford Hall Medical
Center
San Antonio, Texas

Russell Miller, MD

Medical Staff
Interventional Pulmonology
Scripps Green Hospital
La Jolla, California

Lakshmi Mudambi, MD

Medical Staff
Interventional Pulmonology
VA Portland Health Care System
Portland, Oregon

Septimiu Murgu, MD

Assistant Clinical Professor
Pulmonary and Critical Care Medicine
University of Chicago
Chicago, Illinois

Neil Ninan, MD

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

Justin Reis, MD

UPMC-Wilford Hall Medical Center
San Antonio, Texas

Kazuhiro Yasufuku, MD

Assistant 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, performance*);
- Implement the appropriate work-up for lung cancer patients, 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 that have an interest in interventional pulmonology.

EDUCATIONAL METHODS

- Online Lectures and Quizzes

ACCREDITATION/CREDIT DESIGNATION

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 enduring material for a maximum of pending *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Release Date: November 1, 2016

Expiration Date: April 30, 2017

Estimated time to complete: 6 hours, 13 minutes

The deadline for advanced registration is January 27, 2017.

REGISTRATION INFORMATION

On-site registration opens at 7:00am on Thursday, February 16, 2017 in the foyer outside Onstead Auditorium on Floor 3 of the Mitchell Building (BSRB). The opening session of the conference will begin at 7:30am on Thursday, February 16, 2017, and the conference will adjourn at 5:30pm on Friday, February 17, 2017. 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 27, 2017**. 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.

The Department of 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 the Department of CME/Conference Management is limited to the registration fee. CME/Conference Management will refund the full registration fee. The Department of 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 Department of 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 **Interventional Pulmonology Conference 2017 MD Anderson** to be assured of receiving the special conference rate of \$189.00. 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 **IVPIVPA**) to be assured of receiving the special meeting rate of \$189.00 single or double occupancy. Please add 17% Texas State and local taxes.
- Reservations and deposits received after **January 18, 2017** 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 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 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 *In Vivo* Wet Lab Sessions

Received prior to 1/27/2017	\$1,950
Received on or after 1/27/2017	\$2,350

Live Didactic: Includes Online Educational Materials and the Didactic Sessions

Received prior to 1/27/2017	\$1,000
Received on or after 1/27/2017	\$1,200

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

Sakai (Online Access)	\$700
-----------------------	-------

PHYSICIANS-IN-TRAINING*

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

Received prior to 1/27/2017	\$1,000
Received on or after 1/27/2017	\$1,200

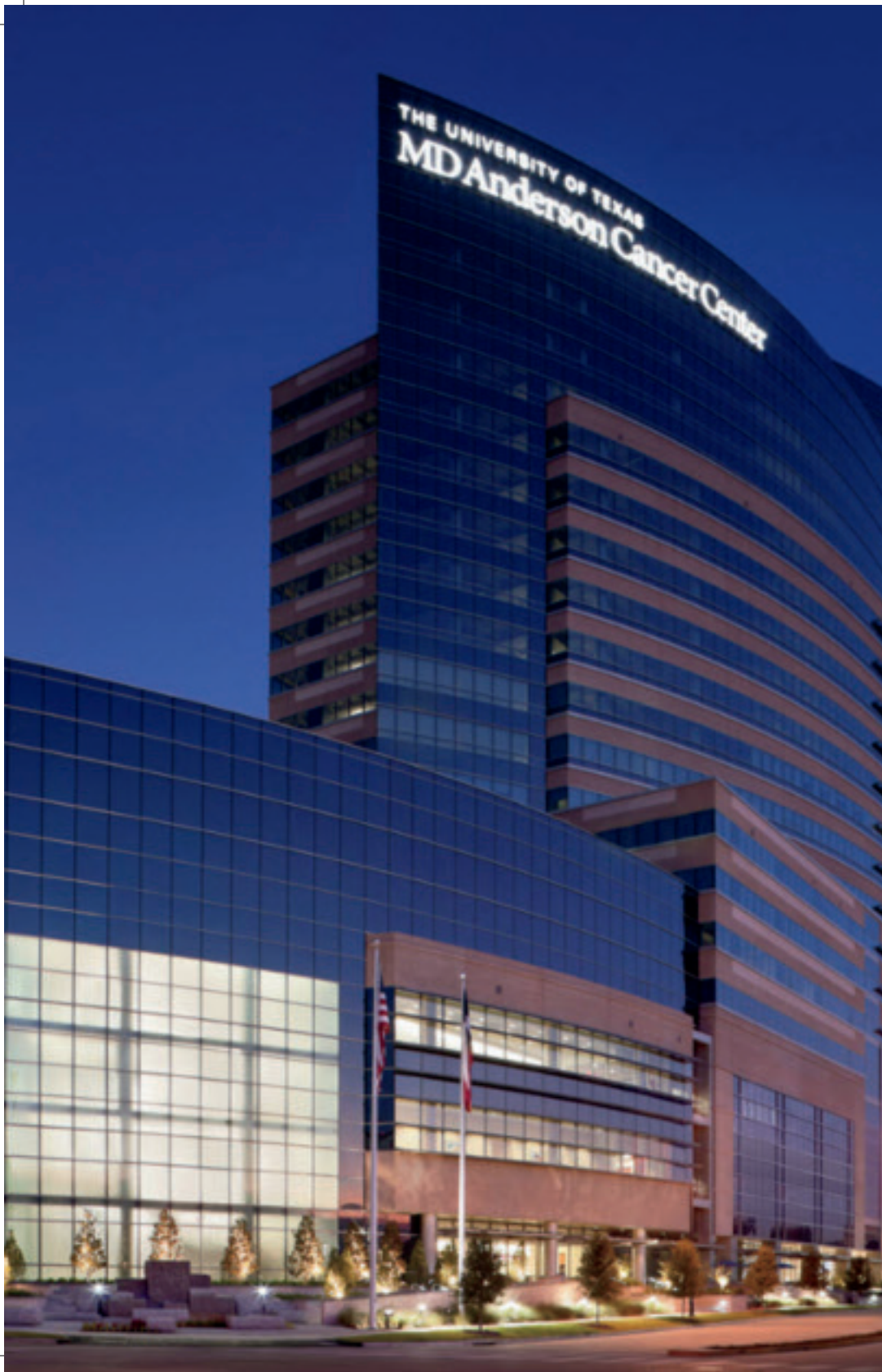
Live Didactic: Includes Online Educational Materials and the Didactic Sessions

Received prior to 1/27/2017	\$900
Received on or after 1/27/2017	\$1,100

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

Sakai (Online Access)	\$500
-----------------------	-------

*Requires a Letter of Verification from Department Chairman.



CONFERENCE REGISTRATION

INTERVENTIONAL PULMONOLOGY IN CANCER PATIENTS: AN INTENSIVE HANDS-ON COURSE (D116168) FEBRUARY 16–17, 2017

**UT MD Anderson Cancer Center, Onstead Auditorium, Mitchell Building – Floor 3
6767 Bertner Avenue, Houston, Texas**

Last Name	First	MI	Highest Degree
Department (include box no.)		Specialty	
Institution: MD Anderson Employee ID No. (required for all MDACC employees)			Physician ☐ Yes ☐ No
Street	City	State/Foreign Country/Zip or Mail Code	
E-mail Address			
Daytime Phone (with area code)		Phone (with area code)	
Emergency Contact		Fax (with area code)	
		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 #	Expirations Date	Authorized Signature REQUIRED for credit card
☐ VISA ☐ MasterCard ☐ American Express		
Credit Card Holder Name (First/Last)		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*
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

REGISTRATON FEES

Received by January 27, 2017	Received after January 27, 2017
☐ Physician: \$1,950 (Full Course)	☐ Physician: \$2,350 (Full Course)
☐ Physician: \$1,000 (Live Didactic)	☐ Physician: \$1,200 (Live Didactic)
☐ Physician: \$700 (Sakai - Online Access)	☐ Physician: \$700 (Sakai - Online Access)
☐ Physician-in-Training: \$1,000 (Full Course)	☐ Physician-in-Training: \$1,200 (Full Course)
☐ Physician-in-Training: \$900 (Live Didactic)	☐ Physician-in-Training: \$1,100 (Live Didactic)
☐ Physician-in-Training: \$500 (Sakai - Online Access)	☐ Physician-in-Training: \$500 (Sakai - 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

Department of CME/Conference Management - Unit 1781
The University of Texas MD Anderson Cancer Center
#176700/30/116168/41
PO Box 301407
Houston, TX 77230-1407

Non-Profit Org.
U.S. Postage
PAID
Houston, TX
Permit No. 7052