

Minimally Invasive Approaches to the Management of Achalasia and Other Benign Esophageal Diseases



Wednesday, June 5 – Friday, June 7, 2019 • Pittsburgh, PA

Day 1: Thomas E. Starzl Biomedical Science Tower, Room S-123, UPMC Center for Advanced Robotic Training (CART), and The Fox Chapel Golf Club

Day 2: Thomas E. Starzl Biomedical Science Tower, Room S-100

Day 3: Charles G. Watson Surgical Education Center, UPMC Presbyterian

University of Pittsburgh Course Directors

James D. Luketich, MD, FACS

*Henry T. Bahnson Professor of Cardiothoracic Surgery
Chairman, Department of Cardiothoracic Surgery
Chief, Division of Thoracic and Foregut Surgery
University of Pittsburgh, Department of
Cardiothoracic Surgery*

Inderpal S. Sarkaria, MD, FACS

*Vice Chairman, Clinical Affairs
Director, Thoracic Robotics
Co-Director, Esophageal and Lung Surgery Institute
University of Pittsburgh, Department of
Cardiothoracic Surgery*

Ryan M. Levy, MD

*Chief, Thoracic Surgery, UPMC Passavant
Assistant Professor of Cardiothoracic Surgery
University of Pittsburgh, Department of
Cardiothoracic Surgery*

Omar Awais, DO

*Chief, Thoracic Surgery, UPMC Mercy
Assistant Professor of Cardiothoracic Surgery
University of Pittsburgh, Department of
Cardiothoracic Surgery*

Rajeev Dhupar, MD, MBA

*Chief, Thoracic Surgery, VA Pittsburgh Healthcare System
Assistant Professor of Cardiothoracic Surgery
University of Pittsburgh, Department of
Cardiothoracic Surgery*

Invited Faculty

Virginia R. Litle, MD

*Chief, Thoracic Surgery, Boston University School of Medicine
Director, Center of Minimally Invasive Esophageal Therapies
Director, Barrett's Esophageal Program
Director, Thoracic Surgery Clinical Research
Boston Medical Center, Boston, MA*

Jeffrey Marks, MD, FACS, FASGE

*Professor of Surgery
Jeffrey L. Ponsky, MD, Professor of Surgical Education
Director, Surgical Endoscopy
Program Director, Case Western Reserve University
School of Medicine
University Hospitals Cleveland Medical Center, Cleveland, OH*

Benny Weksler, MBA, MD, FACS, FACC

*Chief, Division of Thoracic and Esophageal Surgery
Edward Kent Professorship of Thoracic Surgery
Allegheny Health Network, Pittsburgh, PA*

Welcome

At the end of this continuing medical education activity, please complete and return the inserted course evaluation and credit designation sheet and pick up a certificate of attendance, which details instructions for accessing online credit transcript post-course. The credit hours you claim will be entered onto a personalized credit transcript.

To obtain your personalized credit transcript, visit the secured website at <https://ccehs.upmc.com> and follow the Credit Transcript instructions to access and print your transcripts. The transcript acts as a valid documentation (in place of a certificate) of your attendance and completion of this accredited course. This may take up to six weeks.

Learning Objectives

This three-day conference aims to expand clinical knowledge regarding treatment of benign esophageal diseases, including gastroesophageal reflux disease (GERD), achalasia, paraesophageal hernia, Zenker's Diverticulum, and Barrett's esophagus. Furthermore, this course strives to improve technical knowledge and skill in surgical treatment of benign esophageal disease, focusing on surgical interventions such as nissen fundoplication, Heller myotomy, minimally invasive repair of paraesophageal hernias, LINX implantation, per oral endoscopic myotomy (POEM), and re-operative surgery. These educational goals are met through interactive didactic sessions featuring world-renowned experts, broadcast of live surgery, and a porcine POEM lab also featuring robotic Heller myotomy, endoscopic mucosal resection (EMR) and BarrX™ Radiofrequency Ablation (RFA).

Who Should Attend

This course is designed for general and thoracic surgery attendings and trainees, gastroenterologists, minimally invasive team members (MD, DO, RN, PA, NP), allied health professionals, and any other interested medical healthcare professionals and researchers.

Meeting Locations

Wednesday, June 5, 2019

Thomas E. Starzl Biomedical Science Tower, Room S-123*

UPMC Presbyterian
200 Lothrop Street
Pittsburgh, PA 15213
2 to 5 p.m.

**Wet lab will begin with brief didactic in this room.*

Thomas E. Starzl Biomedical Science Tower, Animal Lab Facility

UPMC Presbyterian
200 Lothrop Street
Pittsburgh, PA 15213
2 to 5 p.m.

UPMC Center for Advanced Robotic Training (CART)

UPMC Presbyterian
200 Lothrop Street
Pittsburgh, PA 15213
2 to 5 p.m.

Fox Chapel Golf Club

426 Fox Chapel Road*
Pittsburgh, PA 15238
6:30 to 10 p.m.

**Group transportation will be provided and is recommended. Please contact Angela Kinnunen to reserve your spot on the group shuttle.*

Thursday, June 6, 2019

Thomas E. Starzl Biomedical Science Tower, Room S-100

UPMC Presbyterian
200 Lothrop Street
Pittsburgh, PA 15213
7:30 a.m. to 4 p.m.

Friday, June 7, 2019

Charles G. Watson Surgical Education Center, F-600

UPMC Presbyterian
200 Lothrop Street
Pittsburgh, PA 15213
7:30 a.m. to 3:30 p.m.

Accommodations

Hotel rooms are available at The Oaklander Hotel, Autograph Collection. Reservations can be secured at a special discounted rate by calling **877-829-2429** and mentioning the UPMC Benign Esophageal Conference, or by using the online reservation link:

<https://tinyurl.com/BenignEsophagealConference>.

The Oaklander Hotel, Autograph Collection
5130 Bigelow Boulevard
Pittsburgh, PA 15213

Registration Information

To register, please contact Angela Kinnunen at kinnunae@upmc.edu or **412-770-4949**, or visit UPMC.com/BenignEsophagealConference.

Registration Fees

Attendings, full course: **\$100**

Trainees, full course: **Fee waived**

CRNP, PA, RN, and other healthcare professionals: **\$75**

UPMC and University of Pittsburgh employees:
Fee waived

Cancellation Statement

All cancellations must be in writing via email or fax. Tuition for cancellations on or before June 1, 2019, will be completely refunded. After June 1, 2019, a \$25 administrative fee will be assessed. No refunds will be made after June 3, 2019. Cancellation requests can be made to Angela Kinnunen at kinnunenae@upmc.edu or via fax to **412-648-6358**.

Parking

Parking will be available in the UPMC Presbyterian Parking Garage. Please mention the Benign Esophageal Conference as you enter the garage. Parking for conference attendees will be validated.

Special Needs

Participation by all individuals is encouraged. Advanced notification of any special needs will help us provide better service. Please notify us of your needs at least two weeks in advance of the program by calling Angela Kinnunen at **412-770-4949**.

Conference Contact

Angela Kinnunen, MPA
412-770-4949 | Fax: **412-648-6358** |
kinnunenae@upmc.edu

The UPMC Center for Continuing Education in the Health Sciences

To learn more about our current and upcoming CME programs or to earn CME credits online, visit us at <https://ccehs.upmc.com>.

The University of Pittsburgh is an affirmative action, equal opportunity employer.

Day 1: Wednesday, June 5, 2019
Thomas E. Starzl Biomedical Science Tower,
Room S-123

- 2 p.m. Late Lunch and Introduction to Hands-On Surgical Wet Lab**
- 2:30 p.m. Hands-On Surgical Wet Lab**
University of Pittsburgh Faculty Director:
Rajeev Dhupar, MD, MBA
- Wet Lab Invited Faculty:**
Jeffrey M. Marks, MD, FACS, FASGE
- Stations For:**
- Per Oral Endoscopic Myotomy (POEM)
 - Robotic Heller Myotomy
 - Endoscopic Mucosal Resection
 - Barrx™ Radiofrequency Ablation
 - LINX Implantation
- 5 p.m. Wet Lab Adjournment**
- 6:30 p.m. James D. Luketich Chairman's Alumni Award Dinner**
(Presentation of the James D. Luketich
Chairman's Alumni Award to Virginia R. Litle, MD)
The Fox Chapel Golf Club
426 Fox Chapel Road, Pittsburgh, PA 15238
- 10 p.m. Wednesday Adjournment**

Day 2: Thursday, June 6, 2019
Thomas E. Starzl Biomedical Science Tower,
Room S-100

- 7:30 a.m. Registration and Breakfast**
- 8:00 a.m. Welcome and Introductory Remarks:**
Building an Esophageal Surgery Center of Excellence
James D. Luketich, MD, FACS
- Session I: Gastro-Esophageal Reflux Disease and Anti-Reflux Surgery**
- 8:45 a.m. Nissen and Partial Fundoplication for GERD**
Rajeev Dhupar, MD, MBA
- 9:00 a.m. Re-Do Nissen**
Benny Weksler, MD, MBA, FACS, FACCP
- 9:20 a.m. Esophageal Stents for Benign Disease**
Virginia R. Litle, MD
- 9:40 a.m. Morning Coffee Break**
- 10:00 a.m. GERD and the Transplant Patient Population**
Pablo Sanchez, MD, PhD, FACS

- 10:20 a.m. When to Consider Roux-en-Y Treatment in GERD**
Omar Awais, DO
- 10:40 a.m. LINX Implantation for Reflux Management**
Virginia R. Litle, MD
- Session II: Paraesophageal Hernia**
- 11:00 a.m. Surgical Principles of Giant Paraesophageal Hernia Repair: Robotic vs. Laparoscopic Approach**
Inderpal S. Sarkaria, MD, FACS
- 11:15 a.m. DEBATE: Mesh of No Mesh in Paraesophageal Hernia Repair**
Pro: Benny Weksler, MD, MBA, FACS, FACCP
Con: Virginia R. Litle, MD
- 12:00 p.m. Lunch**
- Session III: Achalasia**
- 12:30 p.m. High-Resolution Manometry and Work-Up of Achalasia**
Lawrence Crist, DO, MBA
- 12:45 p.m. DEBATE: Per Oral Endoscopic Myotomy (POEM) vs. Heller Myotomy and Dor Fundoplication as Primary Treatment for Achalasia**
Robotic Assisted Heller Dor Is Optimal:
Inderpal S. Sarkaria, MD, FACS
POEM Is Superior: James D. Luketich, MD, FACS
- Session IV: Other Benign Esophageal Disorders**
- 1:30 p.m. Management of Zenker's Diverticulum**
Ryan Levy, MD
- 1:50 p.m. Initial Management of the Caustic Injury Patient: The First 24 Hours If Crucial**
Manuel Villa Sanchez, MD
- 2:10 p.m. Afternoon Coffee Break**
- 2:30 p.m. Removal of Benign Esophageal Tumors**
Jie Zhang, MD, PhD
- 2:50 p.m. Esophageal Perforation**
TBD
- 3:10 p.m. When Is Esophagectomy Indicated for the Failed Treatment of Benign Esophageal Diseases?**
Neil Christie, MD
- 3:00 p.m. Open Discussion**
- 4:00 p.m. Thursday Adjournment**

Day 3: Friday, June 7, 2019
Charles G. Watson Surgical Education Center

7:30 a.m. Registration and Breakfast

8:00 a.m. Broadcast of Live Surgery*
Rajeev Dhupar, MD, MBA
Matthew J. Schuchert, MD

Cases:

- POEM
- Robotic Heller Myotomy
- Robotic-Assisted Nissen
- Giant Paraesophageal Hernia

12:00 p.m. Lunch

12:30 p.m. Resume Observation of Live Surgery

3:30 p.m. Live Surgery and Conference Adjournment

**Schedule subject to change per operating room schedule*

University of Pittsburgh Course Directors

James D. Luketich, MD, FACS

*Henry T. Bahnson Professor of Cardiothoracic Surgery
Chairman, Department of Cardiothoracic Surgery
Chief, Division of Thoracic and Foregut Surgery
UPMC Department of Cardiothoracic Surgery*

Inderpal S. Sarkaria, MD, FACS

*Vice Chairman, Clinical Affairs
Director, Thoracic Robotics
Co-Director, Esophageal and Lung Surgery Institute
UPMC Department of Cardiothoracic Surgery*

Ryan M. Levy, MD

*Chief, Thoracic Surgery, UPMC Passavant
Assistant Professor of Cardiothoracic Surgery
University of Pittsburgh, Department of
Cardiothoracic Surgery*

Omar Awais, DO

*Chief, Thoracic Surgery, UPMC Mercy
Assistant Professor of Cardiothoracic Surgery
University of Pittsburgh, Department of
Cardiothoracic Surgery*

Rajeev Dhupar, MD, MBA

*Chief, Thoracic Surgery, VA Pittsburgh Healthcare System
Assistant Professor of Cardiothoracic Surgery
University of Pittsburgh, Department of
Cardiothoracic Surgery*

Invited Faculty

Virginia R. Litle, MD

*Chief, Thoracic Surgery, Boston University School of Medicine
Director, Center of Minimally Invasive Esophageal Therapies
Director, Barrett's Esophageal Program
Director, Thoracic Surgery Clinical Research
Boston Medical Center, Boston, MA*

Jeffrey Marks, MD, FACS, FASGE

*Professor of Surgery
Jeffrey L. Ponsky, MD, Professor of Surgical Education
Director, Surgical Endoscopy
Program Director, Case Western Reserve University School
of Medicine
University Hospitals Cleveland Medical Center, Cleveland, OH*

Benny Weksler, MBA, MD, FACS, FACCP

*Chief, Division of Thoracic and Esophageal Surgery
Edward Kent Professorship of Thoracic Surgery
Allegheny Health Network, Pittsburgh, PA*

University of Pittsburgh Faculty

Neil A. Christie, MD

Chief, Thoracic Surgery, UPMC Shadyside
Associate Professor of Cardiothoracic Surgery
University of Pittsburgh, Department of
Cardiothoracic Surgery

Lawrence Crist, DO, MBA

Assistant Professor of Cardiothoracic Surgery
University of Pittsburgh, Department of
Cardiothoracic Surgery

Pablo Sanchez, MD, PhD, FACS

Vice Chairman, Benign Lung Diseases
Surgical Director, Lung Transplantation and ECMO
Director, Lung Transplantation and ECMO
Director, Lung Transplant Research
Director, Ex Vivo Lung Perfusion (EVLV) Program
Assistant Professor of Cardiothoracic Surgery
University of Pittsburgh, Department of
Cardiothoracic Surgery

Manuel Villa Sanchez, MD

Assistant Professor of Cardiothoracic Surgery
University of Pittsburgh, Department of
Cardiothoracic Surgery

Matthew J. Schuchert, MD

Chief, Thoracic Surgery, VA Pittsburgh Healthcare System
Associate Professor of Cardiothoracic Surgery
University of Pittsburgh, Department of
Cardiothoracic Surgery

Wet Lab Support

Jennifer Gamble, RVT

STAR Tech
Case Western Reserve University School of Medicine

Steve Schomisch, PhD

Assistant Professor, Case Western Reserve University
Director, Surgical Training and Research Core
Department of Surgery, Case Western Reserve University

Matthew Vercauteren, PA-C

Advanced Practice Provider, Specialty
University of Pittsburgh, Department of
Cardiothoracic Surgery

Faculty are affiliated with the University of Pittsburgh School of Medicine unless noted otherwise.

Continuing Medical Education Credit

The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Pittsburgh School of Medicine designates this live activity for a maximum of 18.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other health care professionals are awarded 1.8 continuing education units (CEU's) which are equal to 18.0 contact hours.

Disclaimer Statement

The information presented at this CME program represents the views and opinions of the individual presenters, and does not constitute the opinion or endorsement of, or promotion by, the UPMC Center for Continuing Education in the Health Sciences, UPMC/ University of Pittsburgh Medical Center or Affiliates and University of Pittsburgh School of Medicine. Reasonable efforts have been taken intending for educational subject matter to be presented in a balanced, unbiased fashion and in compliance with regulatory requirements. However, each program attendee must always use his/ her own personal and professional judgment when considering further application of this information, particularly as it may relate to patient diagnostic or treatment decisions including, without limitation, FDA-approved uses and any off-label uses.

Acknowledgement of Commercial Support

We gratefully acknowledge support from the following for this activity:

Monetary

ERBE USA
Medical Device Business Services, Inc. (Ethicon)
Olympus Corporation of the Americas

In-Kind

Boston Scientific Corporation
ERBE USA
Olympus Corporation of the Americas

Exhibitors

BD
Boston Scientific
Cook Medical
Ethicon
Intuitive Surgical, Inc.
Medtronic
Merit Medical Endotek
Torax Medical, Inc.
Veran Medical Technologies