Lone Star
Rhinology
Houston, Texas | November 3-4, 2017

Marriott Houston Medical Center
UTH ealth Clinical Skills Lab (Texas Medical Center)

November 3-4 | Rhinology

Course Directors
Martin J. Citardi, MD
Amber Luong, MD, PhD
William Yao, MD

Guests of Honor
Pete S. Batra, MD
Ralph Metson, MD

Planning Committee
Ashleigh Halderman, MD
Bradley Marple, MD
Matthew Ryan, MD

November 5-6 | Rhinoplasty

Course Director
Russell Kridel, MD

Guests of Honor
Ira Papel, MD
Jonathan Sykes, MD

Planning Committee
Christian Conderman, MD
Tang Ho, MD
Angela Sturm, MD

www.LoneStarCME.org
We invite you to join us for an exciting, 4-day CME meeting in Houston, TX. This course will feature two consecutive, 2-day CME events over a Friday through Monday time span. During the first two days, the rhinology course, which includes 1.5 days of lectures and a half-day dissection lab, will be a comprehensive medical education program dedicated to the study of nasal and sinus disorders. Over the next two days, the rhinoplasty course, which will also include 1.5 days of lectures and a half day-dissection lab, will provide a complementary course on contemporary principles of both functional and aesthetic rhinoplasty.

**Rhinology Course Directors**

**Martin J. Citardi, MD**  
McGovern Medical School (Houston, TX)

**Amber Luong, MD, PhD**  
McGovern Medical School (Houston, TX)

**William Yao, MD**  
McGovern Medical School (Houston, TX)

**Rhinology Planning Committee**

**Ashleigh Halderman, MD**  
UT Southwestern Medical School (Dallas, TX)

**Bradley Marple, MD**  
UT Southwestern Medical School (Dallas, TX)

**Matthew Ryan, MD**  
UT Southwestern Medical School (Dallas, TX)

**Rhinology Guests of Honor**

**Pete S. Batra, MD**  
Rush University Medical Center (Chicago, IL)

**Ralph Metson, MD**  
Massachusetts Eye & Ear Infirmary (Boston, MA)

**Rhinology Faculty**

**Mohamad Chaaban, MD**  
University of Texas Medical Branch (Galveston, TX)

**Philip Chen, MD**  
UTHealth San Antonio (San Antonio, TX)

**Seth Isaacs, MD**  
TriHealth (Cincinnati, OH)

**Kent Lam, MD**  
Eastern Virginia Medical School (Norfolk, VA)

**Li-Xing Man, MD**  
University of Rochester School of Medicine & Dentistry (Rochester, NY)

**Michael Marino, MD**  
Mayo Clinic (Phoenix, AZ)

**K. Christopher McMains, MD**  
Uniformed Services University of Health Sciences (San Antonio, TX)

**Drew Plonk, MD**  
Wake Forest Baptist Health (Winston-Salem, NC)

**Alok Saini, MD**  
McGovern Medical School (Houston, TX)
Rhinology Target Audience

This course is designed for practicing otorhinolaryngologists and residency program trainees as well as other health care professionals with interests in diseases of the nose and paranasal sinuses.

Rhinology Course Overview

The Lone Star Rhinology continuing medical education course focuses on the comprehensive medical and surgical management of diseases of the nose and paranasal sinuses. Specific topics include the diagnosis, pathophysiology and medical treatment of chronic rhinosinusitis, sinonasal polyposis and allergic rhinitis. The course will feature sessions on contemporary frontal sinus surgical techniques and the latest advances in fungal rhinosinusitis. The course will also focus on other important rhinologic issues, including postoperative care and management strategies for the general otolaryngologist. Advanced technology, including image-guided surgery and innovative techniques in management of sinonasal neoplasia, will also be featured. Difficult-to-treat rhinosinusitis will be discussed in detail through both formal didactic lectures and interactive panels. Controversies will be explored through the viewpoints of a diverse faculty of practicing rhinologists.

A hands-on laboratory session, featuring endoscopic surgical and video equipment, surgical navigation, balloon technology, powered instrumentation and cadaveric specimens, will be available.

Rhinology Learning Objectives

Lectures

Upon completion of the formal didactic sessions of the course, participants should be to:

- Identify endoscopic anatomical landmarks and abnormal pathology
- Recognize diseased sinuses and anatomical variants on imaging studies
- Describe management of sinonasal headache
- Implement a comprehensive strategy for the diagnosis, evaluation and management of inflammatory and neoplastic conditions involving the paranasal sinuses
- Discuss the differential diagnosis of inflammatory conditions of the paranasal sinuses
- Determine medical and surgical management for primary chronic rhinosinusitis
- Identify surgical landmarks to assist surgical dissection of paranasal sinuses
- Compare techniques to perform septoplasty and turbinate surgery
- Manage surgical complications encountered during endoscopic sinus surgery
- Identifying patients with rhinitis and summarizing treatment options
- Organize a method to determine anaphylaxis and treatment
- Identify patients with Eustachian tube dysfunction and select the appropriate treatment options
- Understand surgical navigation technology, including its basic principles, clinical applications and problem-solving
- Discuss an integrated postoperative management in patients undergoing sinus surgery
- Describe the role of corticosteroids in managing chronic rhinosinusitis
- Determine methods to identify microbiome data and assemble topical therapy based on culture data
- Discuss the role of biologics in chronic rhinosinusitis management
- Select patients requiring frontal sinus surgery and list the possible approaches in opening the frontal sinus
- Identify various frontal sinus revision techniques, including selection of the patients
- Compare various approaches in managing frontal sinus disease
Rhinology

- Determine optimal treatments for patients with fungal rhinosinusitis
- List various methods to diagnose allergic fungal rhinosinusitis in addition to organizing a treatment paradigm for patients
- Compare various approaches for medical and surgical management of fungal rhinosinusitis through various case presentations
- Describe techniques in treatment and monitoring of inverting papilloma
- Identify techniques to manage patients with epistaxis
- Discuss concepts for endoscopic management of the orbit
- List the various methods for endoscopic repair of cerebrospinal fluid leaks
- Gain an understanding of endoscopic techniques for sinus surgery with an emphasis upon new instrumentation and innovations
- Explain controversies in identifying patients requiring endoscopic sinus surgery
- Summarize the controversies that were encountered through the development of the field of rhinology
- Explain the various methods to surgically addressing pathologies in the anterior and middle cranial skull base

Laboratory

At the end of the anatomy laboratory session, participants should be to:

- Utilize basic principles of endoscopic sinus surgery
- Understand advanced applications for surgical nasal endoscopy, including CSF leak repair
- Understand the rationale and technique for endoscopic frontal sinusotomy
- Integrate powered instrumentation and various angled instruments into endoscopic sinus surgery
- Assess the impact of surgical navigation on the endoscopic sinus surgery
- Relate preoperative CT imaging to anatomy visualized during dissection

Rhinology Lab

On Saturday afternoon after the conclusion of the day’s formal rhinology didactic session, a cadaveric laboratory, in which the course faculty will demonstrate key rhinology techniques and in which participants will practice rhinologic procedures in fresh human cadaveric specimens, will be offered.

Participants must pre-registered for the cadaveric lab session. Registration for the lab is limited.
## Rhinology Program

### FRIDAY, NOVEMBER 3

**7:00 AM**  
Registration/Breakfast

**7:45 AM**  
Welcome  
Martin J. Citardi, MD

#### Session: Rhinology Fundamentals

Amber Luong, MD, PhD (moderator)

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-8:20 AM</td>
<td>Endoscopic anatomy &amp; CT correlates</td>
<td>Philip Chen, MD</td>
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<tr>
<td>8:20-8:40 AM</td>
<td>Chronic rhinosinusitis diagnosis</td>
<td>K. Christopher McMains, MD</td>
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<tr>
<td>8:40-9:00 AM</td>
<td>Headache</td>
<td>Drew Plonk, MD</td>
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<tr>
<td>9:00-9:25 AM</td>
<td>Chronic rhinosinusitis pathophysiology &amp; clinical implications</td>
<td>Amber Luong, MD, PhD</td>
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<tr>
<td>9:25-9:50 AM</td>
<td>Primary CRS management panel</td>
<td>Amber Luong, MD, PhD; Mohamad Chaaban, MD; Philip Chen, MD; Drew Plonk, MD; Matthew Ryan, MD</td>
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**9:50 AM**  
Break

#### Session: Primary Nasal & Sinus Surgery

William Yao, MD (moderator)

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>10:20-10:45 AM</td>
<td>Five anatomic landmarks</td>
<td>Ralph Metson, MD</td>
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<tr>
<td>10:45-11:05 AM</td>
<td>Septum &amp; turbinate surgery</td>
<td>Ashleigh Halderman, MD</td>
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<tr>
<td>11:05-11:30 AM</td>
<td>My 30 years in rhinology</td>
<td>Ralph Metson, MD</td>
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#### Session: Rhinitis & Eustachian Tube

Matthew Ryan, MD (moderator)

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30-11:55 AM</td>
<td>Rhinitis diagnosis and treatment</td>
<td>Matthew Ryan, MD</td>
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</table>

**11:55 AM-12:15 PM**  
**Anaphylaxis**  
Mohamad Chaaban, MD

**12:15-12:35 PM**  
**Eustachian tube dysfunction diagnosis and treatment**  
Michael Marino, MD

**12:35 PM**  
Lunch

#### Session: Optimizing Chronic Rhinosinusitis Outcomes

Martin J. Citardi, MD (moderator)

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<tr>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1:00-1:30 PM</td>
<td>Surgery Complications</td>
<td>Pete Batra, MD</td>
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<tr>
<td>1:30-1:50 PM</td>
<td>Navigation</td>
<td>Martin J. Citardi, MD</td>
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<tr>
<td>1:50-2:10 PM</td>
<td>Postop care</td>
<td>William Yao, MD</td>
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<tr>
<td>2:10-2:30 PM</td>
<td>Role of steroids</td>
<td>Bradley Marple, MD</td>
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<tr>
<td>2:30-2:50 PM</td>
<td>Implants</td>
<td>Bradley Marple, MD</td>
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<tr>
<td>2:50-3:10 PM</td>
<td>Microbiome &amp; topical antibiotics</td>
<td>Seth Isaacs, MD</td>
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<tr>
<td>3:10-3:30 PM</td>
<td>Biologics</td>
<td>Kent Lam, MD</td>
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**3:30 PM**  
Break

#### Session: Frontal Sinus Surgery

William Yao, MD (moderator)

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>3:55-4:15 PM</td>
<td>Primary frontal sinus surgery</td>
<td>William Yao, MD</td>
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<tr>
<td>4:15-4:35 PM</td>
<td>Revision frontal sinus surgery</td>
<td>Li-Xing Man, MD</td>
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### Session: Fungal Rhinosinusitis
Bradley Marple, MD (moderator)

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>5:00-5:20 PM</td>
<td>Fungal rhinosinusitis diagnosis</td>
<td>Martin J. Citardi, MD</td>
</tr>
<tr>
<td>5:20-5:40 PM</td>
<td>Allergic fungal rhinosinusitis diagnosis and management</td>
<td>Amber Luong, MD, PhD</td>
</tr>
<tr>
<td>5:40-6:00 PM</td>
<td>Fungal rhinosinusitis panel</td>
<td>Bradley Marple, MD (moderator); Philip Chen, MD; Martin J. Citardi, MD; Amber Luong, MD, PhD; Matthew Ryan, MD</td>
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### Session: Rhinology: Past, Present &Future
Matthew Ryan, MD (moderator)

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>11:10-11:35 AM</td>
<td>Defining indications for FESS</td>
<td>Martin J. Citardi, MD (moderator); Pete S. Batra, MD; Bradley Marple, MD</td>
</tr>
<tr>
<td>11:35 AM-12:00 PM</td>
<td>Recalcitrant rhinosinusitis</td>
<td>William Yao, MD, (moderator); Martin J. Citardi, MD; Seth Isaacs, MD; Kent Lam, MD; Bradley Marple, MD</td>
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### Session: Rhinology Dissection Lab
(paid participants only)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>1:10 PM</td>
<td>Travel to lab</td>
<td>(lab participants only)</td>
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<tr>
<td>1:30 PM</td>
<td>Lunch</td>
<td>(lab participants only)</td>
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<tr>
<td>2:00-5:00 PM</td>
<td>Lab</td>
<td></td>
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Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of The University of Texas Medical Branch at Galveston, The University of Texas Health Science Center at Houston. The University of Texas Medical Branch at Galveston is accredited by the ACCME to provide continuing medical education for physicians.

The University of Texas Medical Branch at Galveston designates this live education activity for a maximum of 15.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Faculty Disclosure

Current guidelines state that participants in CME activities should be made aware of any affiliation or financial interest that may affect a speaker’s presentation(s) and/or any discussion of off-label therapies. Each speaker has been requested to complete a Faculty Certification Form. The names of faculty members, who declare a potential conflict of interest, will discuss off-label usage, or decline to sign a statement, will be shown in the activity syllabus.

Disclaimer

The information in this educational activity is provided for general medical education purposes only and is not meant to substitute for the independent medical judgment of a physician in his or her assessment of the diagnostic and treatment options of a specific patient’s medical condition. The viewpoints expressed in this CME activity are those of the faculty. They do not represent an endorsement by The University of Texas Health Science Center at Houston, McGovern Medical School, UT Physicians, Memorial Hermann-Texas Medical Center, Texas Sinus Institute and/or Texas Skull Base Physicians. In no event will The University of Texas Health Science Center at Houston, McGovern Medical School, UT Physicians, Memorial Hermann-Texas Medical Center, Texas Sinus Institute and/or Texas Skull Base Physicians be liable for any decision made or action taken in reliance upon the information provided through this CME activity.

Cancellation Policies

The University of Texas Health Science at Houston reserves the right to cancel or postpone the course due to unforeseen circumstances. In the event of course cancellation or postponement, registration fees will be refunded; however, participants will be responsible for any related costs, charges or expenses, including cancellation fees assessed by airlines and travel agencies.

If a participant wishes to cancel his or her registration, a written request must be received by October 25, 2017. All refunds are subject to a $100 administrative fee.
Meeting Location

All lectures, presentations and panels will be held at the Houston Marriott Medical Center. Situated at the Texas Medical Center, the Houston Marriott Medical Center features first class meeting space as well as the finest accommodations. The hotel, which is located at 6580 Fannin Street, Houston TX, 77030) is within walking distance of all official course activities. The hotel’s amenities include Driscoll’s Restaurant and Paladora Lounge. The Rice Village area is approximately 1.5 miles from the hotel and offers many additional restaurants and eclectic shopping. The hotel’s sleek accommodations feature high-speed internet and luxury bedding; the hotel also has a pool and fitness center.

The cadaveric dissection session will be held in the Surgical & Clinical Skills Center of McGovern Medical School. This state-of-the-art facility, located within the main building of McGovern Medical School (at 6431 Fannin Street, Houston, TX 77030) supports cadaveric dissection sessions for McGovern Medical School trainees and participants in formal didactic courses. In addition, the Center has facilities for simulation of common health care environments.

Hotel Accommodations

A block of rooms has been reserved at the Houston Marriott Medical Center. Participants who make a reservation before October 12, 2017, will qualify for a discounted room rate for $109 (plus applicable taxes and fees) per night. This hotel, located at 6580 Fannin Street, Houston TX, 77030, is the main site for the meeting. To make your reservation, please call 713-796-0080 or follow the links for the hotel on the course website (www.LoneStarCME.org).

Registration

Regular registration is available until October 25, 2017. After this date, please call 713-500-5410 to inquire about registration availability. Registration for the dissection sessions is limited. Registration is available through the course web site (www.LoneStarCME.org).

Registration Fees

**Rhinology**

<table>
<thead>
<tr>
<th>Registration Type</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Lecture only</td>
<td>$750.00</td>
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<tr>
<td>Lecture only (resident)*</td>
<td>$300.00</td>
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<tr>
<td>Lecture only (PA/NP/RN)</td>
<td>$475.00</td>
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<tr>
<td>Lab &amp; lecture</td>
<td>$1500.00</td>
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<tr>
<td>Lab &amp; lecture (resident)*</td>
<td>$1100.00</td>
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*All resident registrations must be accompanied by a letter from the director of the trainee’s program.

To register for this meeting, please visit [www.LoneStarCME.org](http://www.LoneStarCME.org) and follow the links for registration.