

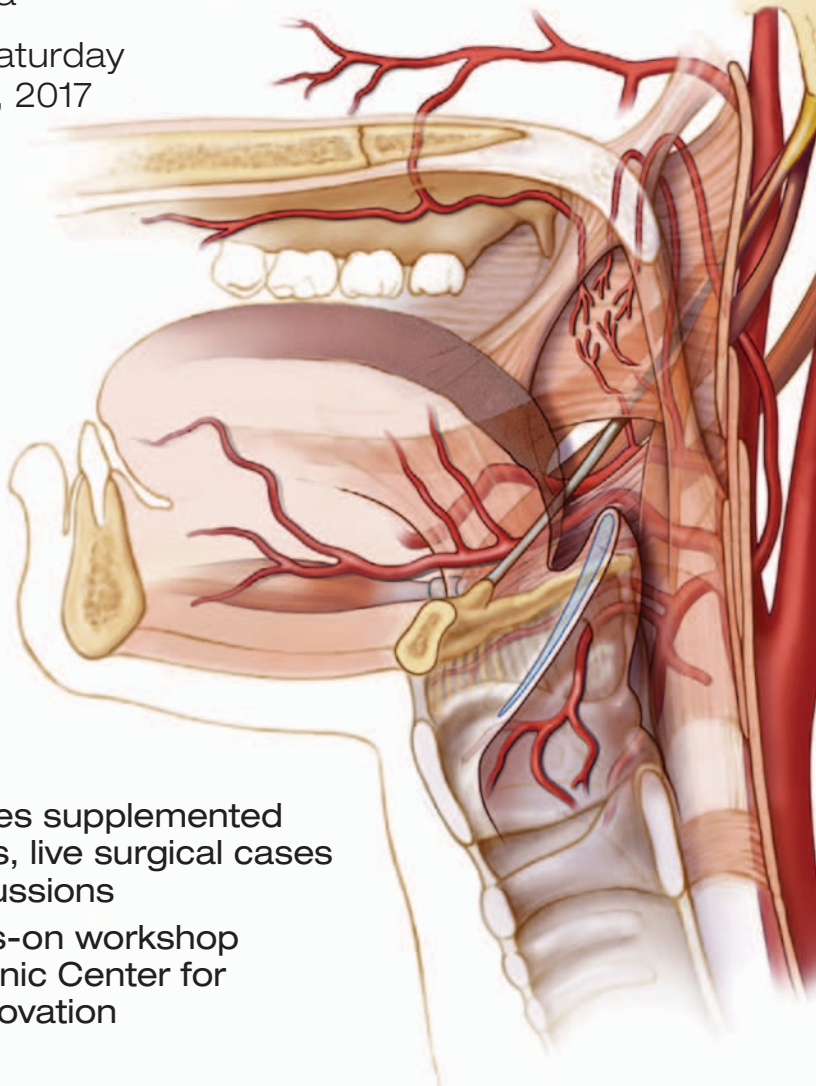


MAYO SCHOOL OF CONTINUOUS PROFESSIONAL DEVELOPMENT

# >>10<sup>th</sup> Annual Multidisciplinary Transoral Surgery for Head and Neck Cancer

Juanita Kious Waugh Auditorium  
Mayo Clinic Education Center  
Phoenix, Arizona

Wednesday – Saturday  
February 22-25, 2017



## Featuring:

- > Didactic lectures supplemented with video clips, live surgical cases and case discussions
- > Optional hands-on workshop in the Mayo Clinic Center for Procedural Innovation

**REGISTER NOW!**

\$75 DISCOUNT EXPIRES JANUARY 22, 2017 • VISIT [WWW.CE.MAYO.EDU/TORS2017](http://WWW.CE.MAYO.EDU/TORS2017)

# General Information

## COURSE DESCRIPTION

The Multidisciplinary Transoral Surgery for Head and Neck Cancer course is designed to give otolaryngologists, head and neck surgeons, radiation oncologists, medical oncologists, oral maxillofacial surgeons, pathologists, and speech pathologists, a focused educational experience in transoral endoscopic techniques for resecting primary head and neck tumors and the associated state-of-the-art application of advanced radiotherapy techniques including proton beam therapy and systemic therapy such as immunotherapy. Both transoral laser and robotic surgery will be featured as well as flexible laser surgery in inpatient and outpatient environments.

An optional cadaveric hands-on workshop will provide participants with opportunities to perform various transoral procedures with laser technologies and delivery systems. Renowned faculty will emphasize fundamental transoral anatomy, microsurgical techniques, and wound exposure, as well as other transoral techniques. Workshop participants will gain experience in the art of tumor exposure using various retractors and appropriate and safe use of multiple transoral systems

## LEARNING OBJECTIVES

Upon completion of this activity, participants should be able to:

- Identify which patients are eligible for transoral robotic and laser surgery.
- Distinguish differences between transoral surgery and traditional surgical and radiation-based treatment strategies.
- Identify key features of “inside-out” anatomy of the upper aerodigestive tract.
- Describe advantages and technique of margin mapping.
- Summarize how to incorporate imaging into surgical planning.
- State potential advantages that may be realized with transoral robotic surgery.
- Identify basic transoral laser microsurgery instrumentation and operative complications.
- Recognize key technical mistakes to avoid.
- Discuss postoperative management of patients treated with transoral surgery.
- Explain how to incorporate personalized radiation therapy with the postoperative patient.
- Examine new trends for systemic therapy for HPV positive oropharynx cancer.
- Review new clinical trials underway highlighting new management trends.

Attendance at this Mayo Clinic course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

## INTENDED AUDIENCE

This course is designed for otolaryngologists, head and neck surgeons, radiation oncologists, medical oncologists, oral maxillofacial surgeons, pathologists, and speech pathologists.

## CREDIT

Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this live activity for a maximum of 23.5 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**AOA:** This program has been accredited by the American Osteopathic Association for 23.5 credits of AOA Category 2-A.

**Other Health Care Professionals:** A record of attendance will be available to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

# General Information

## MEETING LOCATION & ACCOMMODATIONS

### MEETING LOCATION

Mayo Clinic Education Center  
Mayo Clinic Hospital Campus  
Juanita Kious Waugh Auditorium  
5777 East Mayo Boulevard  
Phoenix, Arizona 85054

### ACCOMMODATIONS

Residence Inn Phoenix Desert View at Mayo Clinic  
5665 East Mayo Boulevard  
Phoenix, Arizona 85054  
Telephone: 480-563-1500  
Reservations: 866-754-5927  
<http://bit.ly/TransoralCourseFeb2017>

Make your reservation before the room block fills or before Friday, January 20, 2017 via the website or phone number above. Reservations requested after this date cannot be guaranteed but will be accepted based on availability. When making your reservation, identify yourself as a participant of the Mayo Clinic Transoral Surgery Course.

A block of rooms at a special group rate of \$229 (USD) per night, plus applicable state and local taxes, is available for course participants and guests. Group rates will apply three (3) days prior to and after the course dates, based on rate and room availability.

Conveniently located on the Mayo Clinic Hospital Campus, the Residence Inn Phoenix Desert View at Mayo Clinic offers spacious suites, complimentary hot buffet breakfast, high-speed internet access, fitness facilities, swimming pool, business center, and free parking. Check-in time starts at 3 p.m.; check-out time is noon.

Attendees are responsible for their own reservations.

### TRANSPORTATION

Hertz is offering a reduced daily rate for course registrants. Visit Hertz online at [www.hertz.com/cme2017](http://www.hertz.com/cme2017) (CV# 03NR0012). Special rates include unlimited mileage and are subject to availability. Advance reservations are recommended; blackout dates may apply.

**SuperShuttle** vans offer airport transportation to and from area hotels and businesses. To make reservations, call (800) 258-3826 or (602) 244-9000, or visit [www.supershuttle.com](http://www.supershuttle.com).

Travel arrangements are the sole responsibility of the individual registrant.

### DISCLAIMER

Mayo School of CPD is not responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the meeting. Costs incurred by the registrant such as airline or hotel fees or penalties are the responsibility of the registrant.



# Registration

Visit [www.ce.mayo.edu/TORS2017](http://www.ce.mayo.edu/TORS2017) to register online. The course registration fee includes tuition, access to online course syllabus, continental breakfasts, lunch, break refreshments, and welcome reception. Although it is not Mayo School of Continuous Professional Development (CPD) policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is advised. A confirmation is provided upon receipt of payment. Please present the confirmation letter when checking in at the meeting registration desk.

**CANCELLATION POLICY:** If you cancel your participation in this course, your registration fee less a \$75 administrative fee, will be refunded when written notification is received by Mayo School of CPD before February 8, 2017. No refunds will be made on or after this date. Canceled registrations are non-transferable.

Mayo School of CPD reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event Mayo School of CPD must cancel or postpone this course, Mayo School of CPD will refund the registration fee, but is not responsible for any related costs, charges, or expenses to participants, including fees assessed by airline/travel/lodging agencies.

For additional information, contact:

Mayo School of Continuous Professional Development  
13400 East Shea Boulevard • Scottsdale, Arizona 85259

Website: [ce.mayo.edu](http://ce.mayo.edu) • E-mail: [mca.cme@mayo.edu](mailto:mca.cme@mayo.edu) • Phone number: (480) 301-4580

## REGISTER NOW

**\$75 DISCOUNT** for early registration expires January 22, 2017 • [www.ce.mayo.edu/TORS2017](http://www.ce.mayo.edu/TORS2017)

	On or Before Jan 22, 2017	After Jan 22, 2017
	(in USD)	
<b>GENERAL SESSION</b> ( <i>Wed, Feb 22 – Fri, Feb 24, 2017</i> )		
Physicians Active in Practice	\$900	\$975
Residents, Physician Assistants, Nurse Practitioners, Others	\$750	\$825
<b>OPTIONAL WORKSHOP</b> ( <i>Sat, Feb 25, 2017</i> )		
<b>TRANSORAL SURGERY HANDS-ON WORKSHOP</b>		\$1800
If morning workshop is fully subscribed then an afternoon session will be held. Roundtrip transportation will be provided from the Residence Inn Phoenix Desert View at Mayo Clinic to the Mayo Clinic campus in Scottsdale. Please indicate if you require shuttle transportation when you register.		
<b>WELCOME RECEPTION &amp; DINNER AT GRAYHAWK</b> ( <i>Thu, Feb 23, 2017</i> )		
One adult ticket is included in the general session registration fee. Additional tickets are available for \$75 each. Roundtrip transportation will be provided. Please indicate if you require shuttle transportation when you register.		

## Program

### Wednesday, February 22, 2017

12:00 p.m. **Registration & Refreshments**

1:00 **Welcome & Introductions**

**Moderator:** Michael L. Hinni, M.D.

1:15 **Evolution of Transoral Surgery (TOS)** . . . . . Richard E. Hayden, M.D.

1:35 **Immunotherapy for Head and Neck Cancer** . . . . . Katharine A. Price, M.D.

2:00 **Inside-Out Anatomy** . . . . . Michael L. Hinni, M.D.

2:30 **OR Setup and Instrumentation** . . . . . Jason T. Rich, M.D.

3:00 **Break**

3:30 **Introduction to TORS –  
Instrumentation and Case Selection** . . . . . Chris Holsinger, M.D.

4:00 **Margin Analysis** . . . . . Michael L. Hinni, M.D. and Matthew A. Zarka, M.D.

5:00 **Adjourn**

### Thursday, February 23, 2017

6:45 a.m. **Continental Breakfast**

7:20 **Announcements**

**Moderator:** Michael L. Hinni, M.D.

7:30 **Early Glottic Cancer** . . . . . David G. Lott, M.D.

# Program

- 7:50 **Transoral Surgery for Supraglottic Cancer** . . . . . Thomas H. Nagel, M.D.
- 8:10 **TORS for Laryngeal Cancer** . . . . . J. Scott Magnuson, M.D.
- 8:30 **Hypopharyngeal Cancer**  
Bruce H. Haughey, M.B.Ch.B. and Ryan Jackson, M.D.
- 8:50 **HPV and the Oropharyngeal Cancer Epidemic** . . . . . Daniel J. Ma, M.D.
- 9:10 **Break**
- 9:30 **Imaging for Oropharyngeal Cancer** . . . . . Joseph M. Hoxworth, M.D.
- 10:00 **Transoral Surgery for Oral Cavity Cancers**  
Bruce Haughey, M.B.Ch.B. and Ryan Jackson, M.D.
- 10:30 **Multidisciplinary Tumor Board – Laryngeal Cancer**  
Bruce H. Haughey, M.B.Ch.B., Chris Holsinger, M.D., David G. Lott, M.D.,  
Daniel J. Ma, M.D., J. Scott Magnuson, M.D., Eric J. Moore, M.D.,  
Thomas H. Nagel, M.D., Samir H. Patel, M.D., Katharine A. Price, M.D.,  
and Harry Quon, M.D.
- 12:00 p.m. **Lunch**
- 1:00 **Cancer of the Lateral Pharynx** . . . . . Michael L. Hinni, M.D.
- 1:30 **Cancer of the Base of Tongue** . . . . . Eric J. Moore, M.D.
- 2:00 **TOS – the Radiation Oncologist’s Perspective** . . . . . Harry Quon, M.D.
- 2:30 **De-escalation Therapy in the Setting of TOS** . . . . . Daniel J. Ma, M.D.
- 3:00 **Break**
- 3:15 **Multidisciplinary Tumor Board - Oropharynx**  
Bruce H. Haughey, M.B.Ch.B., Chris Holsinger, M.D., David G. Lott, M.D.,  
Daniel J. Ma, M.D., J. Scott Magnuson, M.D., Eric J. Moore, M.D.,  
Thomas H. Nagel, M.D., Samir H. Patel, M.D., Katharine A. Price, M.D.,  
and Harry Quon, M.D.
- 4:30 **Adjourn**
- 5:30 **Welcome Reception and Dinner**

## Friday, February 24, 2017

- 7:30 a.m. **Continental Breakfast**
- Moderator:** Eric J. Moore, M.D.
- 8:00 **Live Surgery Telecast** . . . . . Michael L. Hinni, M.D. and David G. Lott, M.D.
- 10:00 **Break**
- 10:20 **Live Surgery Telecast** . . . . . Michael L. Hinni, M.D. and David G. Lott, M.D.
- 12:00 p.m. **Lunch**
- 1:00 **Functional Outcomes in Transoral Surgery** . . . . . Lisa R. Crujido, CCC-SLP
- 1:20 **Oncologic Outcomes in Transoral Surgery** . . . . . Jason T. Rich, M.D.
- 1:45 **Proton Therapy for Head and Neck Cancer** . . . . . Samir H. Patel, M.D.
- 2:10 **Transoral Surgery in the Salvage Setting** . . . . . Jason T. Rich, M.D.
- 2:30 **Transoral Surgery and Clinical Trials Panel Discussion**  
Bruce H. Haughey, M.B.Ch.B., Michael L. Hinni, M.D.,  
Chris Holsinger, M.D., Daniel J. Ma, M.D., Eric J. Moore, M.D.,  
Katharine A. Price, M.D., and Harry Quon, M.D.
- 3:00 **Break**
- 3:15 **Complications of Transoral Surgery** . . . . . Michael L. Hinni, M.D.

## FUTURE DIRECTIONS ROUNDTABLE

- 3:35 **Robotics and Future Directions** . . . . . J. Scott Magnuson, M.D.
- 4:00 **Radiation and CRT Following Transoral Surgery:**  
**State of the Art** . . . . . Harry Quon, M.D.
- 4:25 **Expanding TOS through Education and Research** . . . . . Chris Holsinger, M.D.
- 4:50 **3D Reconstruction** . . . . . David G. Lott, M.D.
- 5:15 **Adjourn**

*Program schedule is subject to change without notice.*



# Optional Hands-On Workshop

## TRANSORAL SURGERY FOR HEAD AND NECK CANCER

An optional cadaveric hands-on workshop will provide participants with opportunities to perform various transoral procedures with laser technologies and delivery systems. Renowned faculty will emphasize fundamental transoral anatomy, microsurgical techniques, and wound exposure, as well as other transoral techniques.

Roundtrip transportation from the Residence Inn Phoenix Desert View at Mayo Clinic to the Center for Procedural Innovation will be provided. Space is limited. Pre-registration is required.

## WORKSHOP OBJECTIVES

Upon completion of this activity, participants should be able to:

- Practice instrumentation in fresh cadaveric models the use of the micromanipulator and laser fiber delivery systems.
- Demonstrate basic understanding of “inside-out” endoscopic surgical anatomy.

## Saturday, February 25, 2017 – OPTIONAL WORKSHOP

### AM WORKSHOP

- 6:30 a.m. **Transportation departs Residence Inn Phoenix Desert View at Mayo Clinic**
- 7:00 **Registration and Continental Breakfast**
- 7:30 **Introduction and Overview of Workshop**  
Michael L. Hinni, M.D. and Bruce H. Haughey, M.B.Ch.B.
- 8:00 **Hands-On Laboratory**  
Bruce H. Haughey, M.B.Ch.B., Richard E. Hayden, M.D., Michael L. Hinni, M.D., Chris Holsinger, M.D., David G. Lott, M.D., J. Scott Magnuson, M.D., Eric J. Moore, M.D., Harry Quon, M.D., and Jason T. Rich, M.D.
- 9:45 **Break**
- 10:00 **Hands-On Laboratory**  
Bruce H. Haughey, M.B.Ch.B., Richard E. Hayden, M.D., Michael L. Hinni, M.D., Chris Holsinger, M.D., David G. Lott, M.D., J. Scott Magnuson, M.D., Eric J. Moore, M.D., Harry Quon, M.D., and Jason T. Rich, M.D.
- 12:30 p.m. **Closing Comments, Conclusions of Formal Curriculum, and Evaluation**  
Michael L. Hinni, M.D.
- 12:45 **Adjourn**
- 1:00 **Return Transportation to Residence Inn Phoenix Desert View at Mayo Clinic**

### PM WORKSHOP (if AM WORKSHOP is fully subscribed)

- 12:30 p.m. **Transportation departs Residence Inn Phoenix Desert View at Mayo Clinic**
- 1:00 **Registration and Lunch**
- 1:30 **Introduction and Overview of Workshop**  
Michael L. Hinni, M.D. and Bruce H. Haughey, M.B.Ch.B.
- 2:00 **Hands-On Laboratory**  
Bruce H. Haughey, M.B.Ch.B., Richard E. Hayden, M.D., Michael L. Hinni, M.D., Chris Holsinger, M.D., David G. Lott, M.D., J. Scott Magnuson, M.D., Eric Moore, M.D., Harry Quon, M.D., and Jason T. Rich, M.D.
- 3:45 **Break**
- 4:00 **Hands-On Laboratory**  
Bruce H. Haughey, M.B.Ch.B., Richard E. Hayden, M.D., Michael L. Hinni, M.D., Chris Holsinger, M.D., David G. Lott, M.D., J. Scott Magnuson, M.D., Eric J. Moore, M.D., Harry Quon, M.D., and Jason T. Rich, M.D.
- 6:30 **Closing Comments, Conclusion of Formal Curriculum and Evaluation**  
Michael L. Hinni, M.D.
- 6:45 **Adjourn**
- 7:00 **Return Transportation to Residence Inn Phoenix Desert View at Mayo Clinic**

## COURSE DIRECTOR

**Michael L. Hinni, M.D.**

Professor of Otolaryngology  
Mayo Clinic College of Medicine  
Chair, Department of Otolaryngology –  
Head and Neck Surgery  
Mayo Clinic, Phoenix, Arizona

## GUEST FACULTY

**Bruce H. Haughey,  
M.B.Ch.B., M.S., F.A.C.S.**

Head and Neck Surgical Oncologist  
Medical Director, Oncology  
Director, Head and Neck Oncology  
Florida Hospital Celebration Health  
Celebration, Florida

**Chris Holsinger, M.D.**

Professor, Otolaryngology – Head and Neck Surgery  
Stanford University Medical Center  
Director, Head and Neck Cancer Care Program  
Stanford Cancer Center  
Palo Alto, CA

**Ryan S. Jackson, M.D.**

Assistant Professor, Otolaryngology –  
Head and Neck Surgery  
Washington University School of Medicine  
Washington University  
St. Louis, Missouri

**J. Scott Magnuson, M.D.**

Professor, Otolaryngology – Head and Neck Surgery  
University of Central Florida College of Medicine  
Director, Robotic Head and  
Neck Cancer Surgery Program  
Florida Hospital Nicholson Center  
Medical Director, Head and Neck Cancer  
Surgery Program  
Florida Hospital Celebration Health  
Celebration, Florida

**Harry Quon, M.D.**

Associate Professor  
Co-Director, Multidisciplinary Head and Neck Program  
Department of Radiation Oncology and  
Molecular Radiation Sciences  
Department of Otolaryngology –  
Head and Neck Surgery  
Department of Oncology  
The Johns Hopkins University  
Baltimore, Maryland

**Jason T. Rich, M.D.**

Assistant Professor, Otolaryngology  
Head and Neck Surgery  
Washington University School of Medicine  
Washington University  
St. Louis, Missouri

## COURSE CO-DIRECTOR

**Samir H. Patel, M.D.**

Assistant Professor of Radiation Oncology  
Mayo Clinic College of Medicine  
Consultant, Department of Radiation Oncology  
Mayo Clinic, Phoenix, Arizona

## MAYO CLINIC FACULTY

**Lisa Crujido, M.S., C.C.C.**

Speech-Language Pathologist  
Department of Otorhinolaryngology  
Mayo Clinic, Phoenix, Arizona

**Richard E. Hayden, M.D.**

Professor of Otolaryngology  
Mayo Clinic College of Medicine  
Consultant, Department of Otorhinolaryngology  
Mayo Clinic, Phoenix, Arizona

**Joseph M. Hoxworth, M.D.**

Assistant Professor of Radiology  
Mayo Clinic College of Medicine  
Division Chair, Neuroradiology  
Consultant, Diagnostic Radiology  
Mayo Clinic, Phoenix, Arizona

**David G. Lott, M.D.**

Associate Professor of Otolaryngology  
Mayo Clinic College of Medicine  
Consultant, Department of Otorhinolaryngology  
Mayo Clinic, Phoenix, Arizona

**Eric J. Moore, M.D.**

Associate Professor of Otolaryngology  
Mayo Clinic College of Medicine  
Consultant, Department of Otorhinolaryngology  
Mayo Clinic, Rochester, Minnesota

**Daniel J. Ma, M.D.**

Assistant Professor of Radiation Oncology  
Mayo Clinic College of Medicine  
Consultant, Department of Radiation Oncology  
Mayo Clinic, Rochester, Minnesota

**Thomas H. Nagel, M.D.**

Assistant Professor of Otolaryngology  
Mayo Clinic College of Medicine  
Senior Associate Consultant,  
Department of Otolaryngology  
Mayo Clinic, Phoenix, Arizona

**Katharine A. Price, M.D.**

Assistant Professor of Oncology  
Mayo Clinic College of Medicine  
Consultant, Medical Oncology  
Mayo Clinic, Rochester, Minnesota

**Mathew A. Zarka, M.D.**

Assistant Professor of Laboratory  
Medicine and Pathology  
Mayo Clinic College of Medicine  
Consultant, Anatomic Pathology  
Mayo Clinic, Phoenix, Arizona

**FACULTY DISCLOSURE:** As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of Continuous Professional Development) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in the course materials so those participants in the activity may formulate their own judgments regarding the presentation.