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Current Concepts in the  
**Management of Thyroid  
and Parathyroid Tumors**  
with Transoral Thyroidectomy

November 17 – 18, 2017



Dated Material

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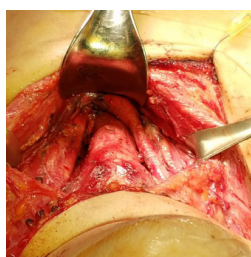
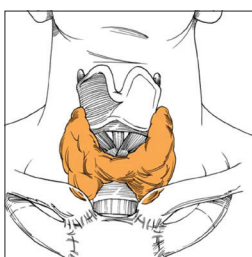
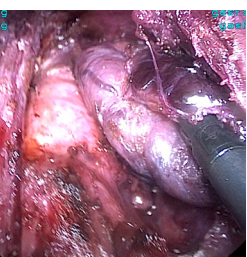
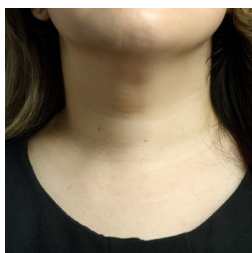
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CONTINUING MEDICAL EDUCATION

Department of Otolaryngology –  
Head and Neck Surgery and  
Department of Surgery  
*present*

# Current Concepts in the Management of Thyroid and Parathyroid Tumors with Transoral Thyroidectomy



**November 17 – 18, 2017**

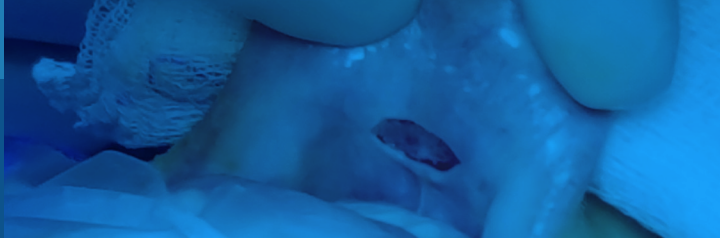
Johns Hopkins Thomas B. Turner Building  
Tilghman Auditorium  
Minimally Invasive Surgical Training and  
Innovation Center (MISTIC Lab)  
Baltimore, Maryland

*Jointly Provided by the University of Chicago Medicine*

This activity has been approved for *AMA PRA Category 1 Credits™*.



**JOHNS HOPKINS**  
MEDICINE



## Description

Many advances have been made in diagnostic modalities and treatment options for thyroid and parathyroid disease. Management concepts in these tumors are in constant flux medically and surgically. There is a large amount of information published, including guidelines, on these topics which can make it difficult for the practicing physician to stay current with new developments. This course will provide up-to-date information regarding work-up, diagnostic techniques, clinical recommendations, and treatment options for patients with thyroid and parathyroid disease, which will allow for safe delivery of state-of-the-art care for patients.

## Objectives

After attending this activity, the participant will demonstrate the ability to:

- Explain the advances in diagnostic tests utilized in management of thyroid and parathyroid disorders.
- Discuss the work-up and treatment options, including extent of surgery, in the management of thyroid cancer.
- Explain the evaluation, medical and surgical management of hyperparathyroidism, including imaging options.
- Outline the surgical techniques, **INCLUDING TRANSORAL APPROACHES**, available for the treatment of thyroid and parathyroid diseases.

## Who Should Attend

This activity is intended for community and academic endocrine surgeons, endocrinologists, otolaryngologists, general surgeons, general practitioners, nurse practitioners, medical oncologists, radiation oncologists, radiologists, pathologists, nurses, PAs, and social workers.

## Accreditation Statement

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 Johns Hopkins University School of Medicine and the University of Chicago Medicine. The Johns Hopkins University School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.



## Credit Designation Statement

The Johns Hopkins University School of Medicine 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.

## Other Credits

**American Nurses Credentialing Center (ANCC)** accepts *AMA PRA Category 1 Credits™* from organizations accredited by the ACCME.

**American Academy of Nurse Practitioners National Certification Program** accepts *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME.

**American Academy of Physician Assistants (AAPA)** accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* from organizations accredited by ACCME. Physician assistants may receive a maximum of 13.75 AAPA Category 1 CME credit(s) for completing this program.

## Policy on Speaker and Provider Disclosure

It is the policy of the Johns Hopkins University School of Medicine that the speaker and provider globally disclose conflicts of interest. The Johns Hopkins University School of Medicine OCME has established policies in place that will identify and resolve all conflicts of interest prior to this educational activity. Detailed disclosure will be made in the instructional materials.

## General Information

**Registration:** November 17 and 18, 2017 – 7:30 a.m.

## Location

### Thomas B. Turner Building

Johns Hopkins University School of Medicine  
720 Rutland Avenue  
Baltimore, Maryland 21205

The Turner Building is located on Rutland Avenue at Monument Street. Directions and campus parking information are available on our website under the Contact Us tab at <https://HopkinsCME.cloud-cme.com>. Handicapped parking is available in the nearby Rutland Garage. OPTIONAL: Complimentary round-trip transportation for attendees staying at conference headquarters hotel will be provided. *Johns Hopkins is smoke-free.*

### Minimally Invasive Surgical Training Center (MISTIC Lab)

The Johns Hopkins Hospital  
1800 Orleans Street  
Blalock Building, 12th Floor  
Baltimore, Maryland 21287

## Fees

**Methods of Payment:** We require full payment prior to the start of the activity. On-site payments by credit card only. The registration fee includes instructional materials, continental breakfasts, refreshment breaks and lunches.

|  |          |
|--|----------|
| Physicians - Day 1 Only.....   | \$250.00 |
| Physicians with Cadaver Lab .....  | \$750.00 |
| Residents*/Fellows*/Nurses/NPs/PAs/<br>Allied Health Professionals - Day 1 Only..... | \$150.00 |
| Residents*/Fellows*/Nurses/NPs/PAs/<br>Allied Health Professionals with Lab.....     | \$500.00 |

\*with verification of status

For trainees wishing to attend with faculty that are registered for the conference there will be a discounted fee of \$50 for day one and \$250 to attend the cadaver lab. Please call the Office of Continuing Medical Education at 410-502-9634 to take advantage of this discount.

You will receive a confirmation by e-mail. If you have not received it by **November 11, 2017**, call (410) 502-9634 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

## Late Fee and Refund Policy

A \$50 late fee applies to registrations received after 5:00 p.m. ET on November 11, 2017. A handling fee of \$50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by November 11, 2017. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

## Call for Abstracts

The conference planning committee will be accepting abstract submissions for posters to be presented on November 17, 2018. Visit <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=9866> for the abstract guidelines and to submit your abstract. The deadline for abstract submissions is **November 3, 2017**.

## Syllabus

The syllabus will be accessible online and via your mobile device in the CloudCME App prior to the activity.

## How to Obtain Credit

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print. The last day to access the evaluation and attest to your credits is **January 2, 2018**.

An outcome survey will be sent to all physician attendees within two months post activity to assist us in determining what impact this activity had on the learner's practice.

## Emergency Calls

On November 17, 2017, direct emergency calls to the Hopkins registration desk, (410) 955-3673. Messages will be posted for participants. On November 18, 2017, direct emergency calls to the Hopkins registration desk, (443) 287-2333. Messages will be posted for participants.

## Americans with Disabilities Act

The Johns Hopkins University School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof.

*Please notify us if you have any special needs.*

## Program

November 17, 2017

- 7:30 - 8:00 Registration and Continental Breakfast
- Parathyroid**
- 8:00 - 8:15 **Work Up and Medical Management of Patients with Hypercalcemia**  
Kendall Moseley, MD
- 8:15 - 8:30 **Parathyroid Imaging and Localization Studies**  
Nafi Aygun, MD
- 8:30 - 8:45 **Surgical Management of Primary Hyperparathyroidism**  
Ralph Tufano, MD, MBA
- 8:45 - 9:00 **Surgical Management of Secondary/Tertiary Hyperparathyroidism**  
Jason Prescott, MD, PhD
- 9:00 - 9:15 **Re-operative Parathyroidectomy**  
Emad Kandil, MD
- 9:15 - 9:45 **Parathyroid Panel Discussion**  
*Moderator:* Ralph Tufano, MD, MBA  
*Panelists:* Emad Kandil, MD; Kendall Moseley, MD; Jason Prescott, MD
- 9:45 - 10:15 Refreshment Break
- Thyroid**
- 10:15 - 10:30 **Evaluation of Indeterminate Thyroid Nodules**  
David Cooper, MD
- 10:30 - 10:45 **Thyroid Imaging/Ultrasound**  
Eric Carnell, MD
- 10:45 - 11:00 **Thyroid Cytology and Pathology**  
Lisa Rooper, MD
- 11:00 - 11:15 **Molecular Markers in Thyroid Cancer**  
Mingzhao Xing, MD
- 11:15 - 11:45 **Thyroid Panel Discussion**  
*Moderator:* David Cooper, MD  
*Panelists:* Vaninder Dhillon, MD; Aarti Mathur, MD; Lisa Rooper, MD; Mingzhao Xing, MD
- 11:45 - 12:30 Lunch and Poster Presentations
- Thyroid, Continued**
- 12:30 - 1:00 **Transoral Thyroidectomy Vestibular Approach: TOETVA**  
Angkoon Anuwong, MD
- 1:00 - 1:15 **Choosing the Right Technique for Thyroidectomy**  
Jonathon Russell, MD
- 1:15 - 1:30 **Central and Lateral Neck Dissection**  
Nishant Agrawal, MD
- 1:30 - 1:45 **Voice, The Laryngeal Examination and Monitoring the Recurrent Laryngeal Nerve During Thyroid Surgery**  
Vaninder Dhillon, MD
- 1:45 - 2:00 **Perioperative Complications and Outcomes**  
Zhen Gooi, MD
- 2:00 - 2:15 **RAI, Surveillance and Follow-up for DTC**  
Jennifer Mammen, MD
- 2:15 - 2:30 Refreshment Break
- 2:30 - 2:45 **Medullary Thyroid Cancer**  
Aarti Mathur, MD
- 2:45 - 3:00 **Anaplastic Thyroid Cancer**  
Ranee Mehra, MD
- 3:00 - 3:15 **Radiation Therapy in Thyroid Cancer**  
Ana Kiess, MD, PhD
- 3:15 - 3:30 **Chemotherapy in Thyroid Cancer**  
Hyu Kang, MD, MPH
- 3:30 - 3:45 **Clinical Trials and Novel Therapeutics**  
Douglas Ball, MD
- 3:45 - 4:15 **Thyroid Panel Discussion**  
*Moderator:* Nishant Agrawal, MD  
*Panelists:* Angkoon Anuwong, MD; Douglas Ball, MD; Zhen Gooi, MD; Ana Kiess, MD, PhD

## Acknowledgement

Applications for commercial support from health care related industries are pending. A complete list of contributors will be provided in the syllabus. Please note that commercial support received is solely for the educational component of the activity and will not be used to provide food and beverage.

**Please note:** *The Physician Payments Sunshine Act was enacted by Congress to increase public awareness of financial relationships between drug and medical device manufacturers and physicians. In compliance with the requirements of this Act, the commercial supporter/s of this activity may require the Johns Hopkins University School of Medicine to report certain professional information (such as name, address, National Provider Identifier (NPI), and State License number) of physician attendees who receive complimentary food and beverage in conjunction with a CME activity. The commercial supporter is required to submit the collected data to the Centers for Medicare and Medicaid Services which will then publish the data on its website.*

## Program

November 18, 2017

|               |  |
|---------------|--|
| 7:30 - 8:00   | Registration (Day 2 only participants) and Continental Breakfast   |
|               | <b>Introduction to Transoral Thyroid and Parathyroid Surgery</b>   |
| 8:00 - 8:15   | <b>Essential Elements of the 2015 ATA Guidelines and Their Impact on Transoral Thyroid Surgery</b><br>Ralph Tufano, MD, MBA  |
| 8:15 - 8:30   | <b>Learning Novel Surgical Techniques as an Experienced Surgeon</b><br>Jeremy Richmon, MD  |
| 8:30 - 8:45   | <b>Alternative Remote Access Approaches to the Central Neck</b><br>Emad Kandil, MD   |
| 8:45 - 9:00   | <b>Patient Selection and Indications for TOETVA</b><br>Zhen Gooi, MD   |
| 9:00 - 9:30   | <b>Surgical Technique: TransOral Endoscopic Thyroidectomy Vestibular Approach (TOETVA)</b><br>Angkoon Anuwong, MD  |
| 9:30 - 10:00  | <b>TOETVA: How Do I Start, What Do I Do?</b><br><i>Moderator:</i> Jeremy Richmon, MD<br><i>Panelists:</i> Angkoon Anuwong, MD; Emad Kandil, MD; Insoo Suh, MD; Ralph Tufano, MD, MBA                 |
| 10:00 - 10:30 | Refreshment Break  |
|               | <b>Advanced Transoral</b>  |
| 10:30 - 10:45 | <b>Is It the Same Surgery with Western Patients?</b><br>Jonathon Russell, MD   |
| 10:45 - 11:00 | <b>Transoral Robotic Thyroidectomy</b><br>Hoon Yub Kim, MD   |
| 11:00 - 11:15 | <b>Future Directions</b><br>Gustavo Ranvier, MD  |
| 11:15 - 11:45 | <b>Pearls and Escape Plans</b><br><i>Moderator:</i> Jonathon Russell, MD<br><i>Panelists:</i> Angkoon Anuwong, MD; Hoon Yub Kim, MD; Gustavo Ranvier, MD; Jeremy Richmon, MD                         |
| 11:45 - 12:15 | Lunch  |
|               | <b>Cadaver Lab</b>   |
|               | <b>Demonstrations:</b>   |
| 12:15 - 12:45 | <b>TransOral Robotic Thyroidectomy (TORT)</b><br>Hoon Yub Kim, MD  |
| 12:45 - 1:30  | <b>Transoral Endoscopic Thyroidectomy Vestibular Approach (TOETVA)</b><br>Angkoon Anuwong, MD  |
| 1:30 - 1:45   | Refreshment Break  |
| 1:45 - 4:15   | <b>Hands on</b><br><i>Proctors:</i> Angkoon Anuwong, MD; Zhen Gooi, MD; Jason Prescott, MD, PhD; Gustavo Ranvier, MD; Jeremy Richmon, MD; Jonathon Russell, MD; Insoo Suh, MD; Ralph Tufano, MD, MBA |
| 4:15          | Adjourn  |

You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance.

The registration desk will remain open during conference hours.

This schedule is subject to change.

The Johns Hopkins University School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity.

## To Register or For Further Information

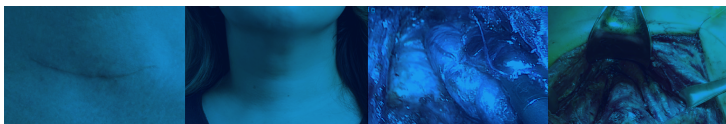
|   |   |
|---|---|
| Register Online   | <a href="https://hopkinscme.cloud-cme.com/aph.aspx?P=5&amp;EID=9866">https://hopkinscme.cloud-cme.com/aph.aspx?P=5&amp;EID=9866</a> |
| Register by Phone   | 410-502-9634  |
| Register by Fax   | 866-510-7088  |
| Confirmation / Certificates / Transcripts                     | 410-502-9634  |
| General Information   | 410-955-2959  |
| E-mail the Office of CME                                      | <a href="mailto:cmenet@jhmi.edu">cmenet@jhmi.edu</a>  |
| Follow us on Twitter:   | <a href="http://twitter.com/HopkinsCME">http://twitter.com/HopkinsCME</a>   |
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| For general information, please visit the activity webpage at | <a href="https://hopkinscme.cloud-cme.com/aph.aspx?P=5&amp;EID=9866">https://hopkinscme.cloud-cme.com/aph.aspx?P=5&amp;EID=9866</a> |

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CloudCME 





# Current Concepts in the Management of Thyroid and Parathyroid Tumors with Transoral Thyroidectomy

## Activity Directors

### **Ralph Tufano, MD, MBA**

*Charles W. Cummings, MD  
Professor of Otolaryngology –  
Head and Neck Surgery  
Director, Head and Neck  
Endocrine Surgery*

### **Nishant Agrawal, MD**

*Professor of Surgery  
Section Chief, Otolaryngology –  
Head and Neck Surgery  
Director, Head and Neck Oncology  
University of Chicago  
Chicago, Illinois*

## Johns Hopkins Speakers

### **Nafi Aygun, MD**

*Associate Professor of Radiology and  
Radiological Science*

### **Douglas Ball, MD**

*Associate Professor of Medicine*

### **David Cooper, MD**

*Professor of Medicine  
Director, Thyroid Clinic*

### **Vaninder Dhillon, MD**

*Associate Professor of Otolaryngology –  
Head and Neck Surgery*

### **Hyu Kang, MD, MPH**

*Assistant Professor of Oncology*

### **Ana Kiess, MD, PhD**

*Assistant Professor of Radiation Oncology  
and Molecular Radiation Sciences*

## Guest Speakers

### **Angkoon Anuwong, MD**

*Minimally Invasive and  
Endocrine Surgery Division  
Department of Surgery  
Police General Hospital  
Bangkok, Thailand*

### **Eric Carnell, MD**

*Medical Director  
MHP Endocrine and Thyroid Specialists  
Frederick, Maryland*

### **Zhen Gooi, MD**

*Assistant Professor of Surgery  
University of Chicago Medicine  
Chicago, Illinois*

### **Emad Kandil, MD**

*Chief, Endocrine Surgery  
Tulane University  
New Orleans, Louisiana*

### **Hoon Yub Kim, MD**

*Associate Professor of Surgery  
Division of Breast and Endocrine Surgery  
Department of Surgery  
Korea University Hospital  
Seoul, Republic of Korea*

### **Jonathon Russell, MD**

*Assistant Professor of Otolaryngology –  
Head and Neck Surgery  
Director, Endoscopic and Robotic Thyroid  
and Parathyroid Surgery*

### **Jason Prescott, MD, PhD**

*Assistant Professor of Surgery  
Interim Chief, Endocrine Surgery*

### **Jennifer Mammen, MD, MPhil, PhD**

*Assistant Professor of Medicine*

### **Aarti Mathur, MD**

*Assistant Professor of Surgery*

### **Ranee Mehra, MD**

*Associate Professor of Oncology*

### **Kendall Moseley, MD**

*Assistant Professor of Medicine*

### **Lisa Rooper, MD**

*Assistant Professor of Pathology*

### **Mingzhao Xing, MD**

*Professor of Medicine*

### **Gustavo Ranvier, MD, PhD, FACS**

*Assistant Professor of Surgery  
Associate Program Director MIS Fellowship  
Metabolic, Endocrine and Minimally Invasive  
Surgery Department of Surgery  
Mount Sinai Medical Center*

### **Jeremy Richmon, MD**

*Clinical Associate  
Division of Head and Neck Surgery  
Director, Head and Neck Robotic Surgery  
Massachusetts Eye and Ear  
Boston, Massachusetts*

### **Insoo Suh, MD**

*Endocrine Surgeon  
University of California San Francisco  
Medical Center  
San Francisco, California*

## Current Concepts in the Management of Thyroid and Parathyroid Tumors with Transoral Thyroidectomy

November 17-18, 2017

**TO REGISTER:** Online: <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=9866>

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**FULL PAYMENT IS REQUIRED PRIOR TO THE START OF ACTIVITY.**

I am a Johns Hopkins speaker for this activity.

Please type or print clearly:

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Check here if you wish to receive e-mail notices about upcoming CME activities.

What do you hope to learn by attending this activity? \_\_\_\_\_

Please notify us if you have any special needs. \_\_\_\_\_

### Registration Fees

- Physicians - Day 1 Only .....\$250.00
- Physicians with Cadaver Lab .....\$750.00
- Residents\*/Fellows\*/Nurses/NPs/PAs/Allied Health Professionals - Day 1 Only ..... \$150.00
- Residents\*/Fellows\*/Nurses/NPs/PAs/Allied Health Professionals with Lab .....\$500.00

\*with verification of status

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on November 11, 2017, include a \$50 late fee. On-site registrations are payable only by credit card.

### Payment Type

Total amount \$ \_\_\_\_\_

#### JHU Faculty/Staff Only:

If you are using your Tuition Remission Benefit or an ION budget, please upload your fully completed and approved form in the payment section of the online activity link above.

**TR Form:** <http://benefits.jhu.edu/documents/trffacandstaff.pdf>

**ION Form:** <http://hopkinscme.edu/migration/IonRequest.pdf>

e-Check: Routing Number: \_\_\_\_\_ Account Number \_\_\_\_\_

Credit Card:  VISA  MASTERCARD  DISCOVER  AMEX

Card # \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Exp. Date \_\_\_\_\_

Billing Zip Code \_\_\_\_\_ Security Code \_\_\_\_\_

Name on Card

Signature and Date