



*51<sup>st</sup> Annual Meeting*

**American Society of**

# **Head & Neck Radiology**

*Head and Neck Imaging in the City of Lights*

**September 16 – 20, 2017**  
**(Saturday - Wednesday)**

Caesars Palace  
Las Vegas, Nevada

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26.5 AMA PRA Category 1 Credit(s)<sup>TM</sup>

Four sessions of the meeting will be submitted for SAM qualification.

**Hands-on US and US-Guided Workshop**  
Sponsored by Hitachi Aloka Medical America, Inc.

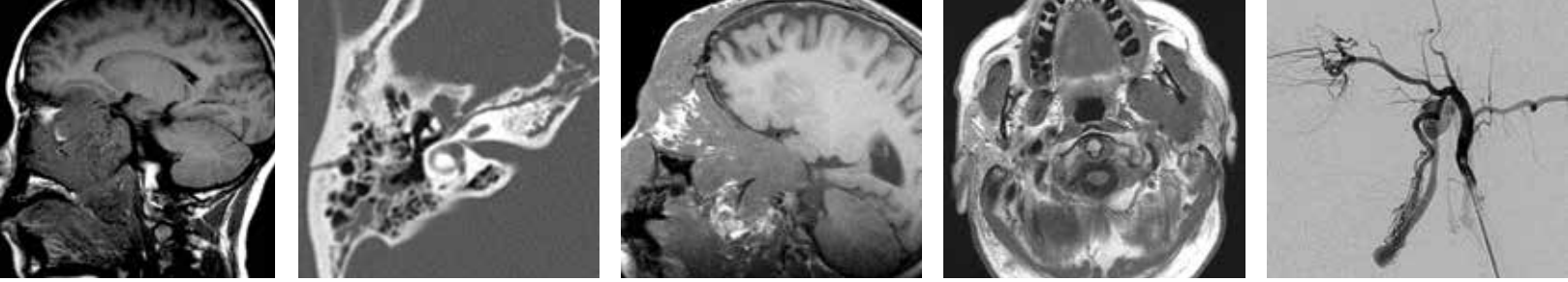
**Tuesday, September 19, 2017**

Separate Registration Required  
Registration Limited to 20 Attendees Per Workshop

Not accredited for AMA PRA Category 1 Credit(s)<sup>TM</sup>

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**Call for Abstracts at [www.ashnr.org](http://www.ashnr.org) • Deadline: May 19, 2017**



## From The President-Elect and Program Chair

On behalf of the American Society of Head and Neck Radiology, I would like to personally invite you to Las Vegas, Nevada for the ASHNR 51<sup>st</sup> Annual Meeting, from Saturday, September 16 - Wednesday, September 20, 2017. This meeting, titled *Head and Neck Imaging in the City of Lights*, will feature over 60 head and neck imaging speakers, including well-known experts and new rising stars in the field. These experienced educators will provide clinically relevant lectures on head and neck anatomy and pathology as well as advanced imaging techniques.

The meeting will begin with the Early Bird Temporal Bone and Skull Base Session on Saturday morning, September 16. Afternoon programming will cover orbit and glandular imaging. Sunday, September 17 will open with a SAM session covering a variety of head and neck topics, followed by lectures on temporal bone and skull base. Sunday afternoon will cover head and neck cancer topics, and will conclude with a beautifully produced Head & Neck Jeopardy game show. Monday, September 18 will open with more temporal bone and skull base topics, followed by a special session on value-added head and neck imaging, which will cover errors in radiology and ways to improve our clinical services. The day will conclude with a SAM session on clinical problem solving - cranial nerve pathology. Tuesday, September 19 will open with a session on head and neck anatomy and pathology, followed by a session on advanced imaging techniques. Afternoon sessions will cover topics in head and neck ultrasound and once again offer the popular unaccredited "Hands-on Ultrasound Workshop", where attendees have the chance to practice ultrasound-guided biopsy techniques on phantoms. The meeting will conclude on Wednesday, September 20 with two SAM sessions covering neck masses, sinuses and maxillofacial imaging.

There will be over 26 hours of education available to you. Four sessions will be submitted for SAM qualification.

Las Vegas is known for its myriad entertainment opportunities, shopping, wide variety of dining options and some spectacular nearby sightseeing and hiking opportunities. Caesars Palace is an iconic Las Vegas luxury hotel with upscale rooms, an eclectic assortment of top chef restaurants, six different luxurious pools, entertainment venues, the Forum shops and a world-class spa. The hotel has a prime location at the center of the Las Vegas strip. The ASHNR Closing Gala will be held at Heart, a club within the Omnia nightclub complex located on the Caesars Palace property. It is my pleasure and honor as the Program Chair to invite you to attend the ASHNR 51<sup>st</sup> Annual Meeting. Viva Las Vegas!

**Rebecca S. Cornelius, MD, FACR**  
 President-Elect and Program Chair  
 American Society of Head & Neck Radiology

## Accreditation

**Physicians:** This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint providership of Educational Symposia and the American Society of Head & Neck Radiology. Educational Symposia is accredited by the ACCME to provide continuing medical education for physicians.

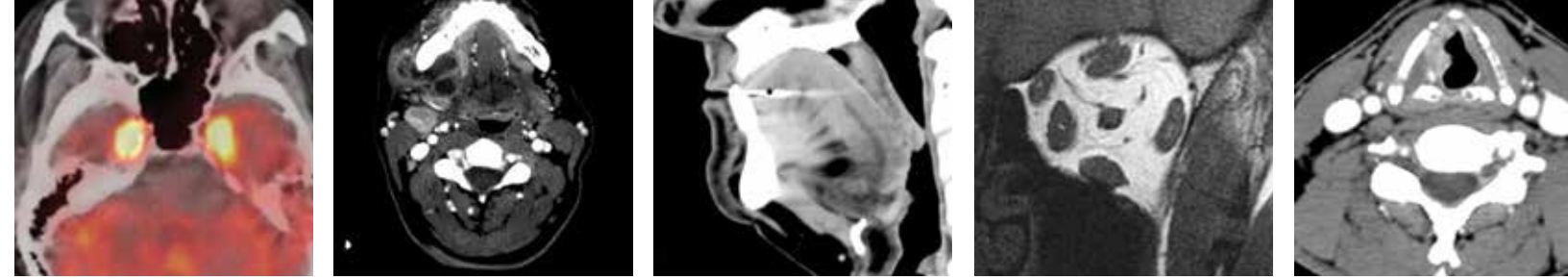
Educational Symposia designates this live activity for a maximum of 26.5 *AMA PRA Category 1 Credit(s)*<sup>™</sup>, including 1.25 *AMA PRA Category 1 Credit(s)*<sup>™</sup> for the Early Bird Temporal Bone & Skull Base Session. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Self-Assessment Modules (SAMs):** Educational Symposia has been granted Deemed Status by the American Board of Radiology (ABR). This allows Educational Symposia to develop and implement SAMs that satisfy ABR Part II MOC requirements.

**Technologists:** This program has been submitted to the ASRT. The number of Category A CE credits will be available approximately 30 days prior to the meeting. Please visit [ashnr.edusymp.com](http://ashnr.edusymp.com) or call 1-800-338-5901 regarding the availability of Category A CE credit.

## Target Audience

- General radiologists seeking to improve their understanding and skills in head and neck imaging.
- Radiologists with an interest in head and neck imaging who wish to increase their knowledge of imaging and treatment of head and neck pathology.
- Dental and oral-maxillofacial practitioners with an interest in pathology and imaging of the face and adjacent soft tissues.
- Non-radiologists, including ENT physicians, head and neck surgeons, medical and radiation oncologists, and general surgeons, who are interested in head and neck cancer therapy and diagnosis.
- Allied health professionals, including physician assistants, nurses, nurse practitioners and radiology technologists with an interest in head and neck cancer and imaging.
- Physicians-in-training, residents and fellows pursuing careers in radiology, otolaryngology, and treatment of head and neck cancer.



## Educational Objectives

Attendees should, at the completion of this meeting, be able to:

- Identify the anatomy of the temporal bone, skull base, sinuses and neck.
- Describe patterns of head and neck lymphatic cancer spread.
- Review the anatomy of cranial nerves and the clinical presentation of various pathologies affecting cranial nerves.
- Identify the imaging features and clinical significance of perineural tumor spread.
- Describe the common infectious and inflammatory processes that involve the orbit, neck, and temporal bone.
- Discuss uses of ultrasound in the head and neck including ultrasound-guided head and neck biopsy techniques.
- Describe the indications and clinical applications for perfusion and diffusion imaging of head and neck tumors.
- Determine the best imaging technique for staging of head and neck cancer.
- Identify sources for errors in head and neck imaging and potential paths to improvement.
- Discuss the benefits and limitations of PET/CT imaging for head and neck cancer.
- Recognize imaging features of various developmental lesions of the face, orbit, temporal bone, and neck.
- Evaluate emergent head and neck pathology.

*No special educational preparation is required for this CME activity.*

## 2016 - 2017 Program Committee

Rebecca S. Cornelius, MD, FACR  
*President-Elect and Program Chair*

Lindell R. Gentry, MD, FACR

Christine M. Glastonbury, MBBS

Michelle A. Michel, MD

Sugoto Mukherjee, MD

Caroline D. Robson, MB, ChB

Deborah R. Shatzkes, MD

Richard H. Wiggins III, MD, CIIP, FSIIM

## 2016 - 2017 Executive Committee

Lindell R. Gentry, MD, FACR  
*President*

Rebecca S. Cornelius, MD, FACR  
*President - Elect*

Deborah R. Shatzkes, MD  
*Vice President*

Caroline D. Robson, MB, ChB  
*Treasurer*

Ilona M. Schmafuss, MD  
*Secretary*

David DeLone, MD  
*Rules Committee Chair*

Richard H. Wiggins III, MD, CIIP, FSIIM  
*Immediate Past President*

Philip R. Chapman, MD  
*Senior Member-at-Large*

Kristen L. Bagnon, MD  
*Junior Member-at-Large*

Nancy J. Fischbein, MD  
*Education Committee Chair*

Peter H.B. McCreight, MD, FACR  
*ACR Councilor*

## CALL FOR ABSTRACTS

CALL FOR ABSTRACTS for both Oral Scientific Papers and Electronic Educational Exhibits, including information, instructions and forms, are available on our website [www.ashnr.org](http://www.ashnr.org). Deadline for submissions is **Friday, May 19, 2017**.

## Early Bird Temporal Bone & Skull Base Session Saturday, September 16, 2017 10:00 AM – 11:15 AM

Please join us for the Early Bird Temporal Bone & Skull Base Session (1.25 AMA PRA Category 1 Credit(s)<sup>™</sup>) which will be an opportunity for attendees to show interesting cases. Please bring your interesting anonymized cases without any patient identifiers on a USB drive between 9:00 AM - 9:45 AM and share with your colleagues and the experts. Please carefully select the number of images as each case will be limited to approximately 3-4 minutes, including discussion. Individuals will be allowed to show a maximum of two cases to allow as many attendees as possible to participate.

## Special Note for the Disabled

Educational Symposia (ESI) and the American Society of Head & Neck Radiology wish to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids and services. If you need any auxiliary aids or services identified in the Americans with Disabilities Act, please contact ESI at (800) 338-5901 or (813) 806-1000.

## Disclaimer

Educational Symposia (ESI) and the American Society of Head & Neck Radiology as planners and presenters of this meeting claim no liability for the acts of any suppliers or the safety of any attendees while in transit to, from, or during, this event or any optional activities. The total amount of liability, if any, for the meeting organizers is limited to a refund of the registration fee.



# Meeting Program

## Saturday, September 16, 2017

**9:00 AM Registration Opens**

**10:00 – 11:15 Early Bird Temporal Bone & Skull Base Session**

*Moderators: Hugh D. Curtin, MD, FACR, Laurie A. Loevner, MD & Caroline D. Robson, MB, ChB*

*Please bring your interesting cases on USB drive between 9:00am - 9:45am and share with your colleagues and the experts.*

**11:15 – 12:30 PM Lunch on Your Own**

**12:30 – 12:40 Welcoming Remarks**

*Rebecca S. Cornelius, MD, FACR*

### Session 1 - Orbit

*Moderators: Susan I. Blaser, MD, FRCP(C) & Asim F. Choudhri, MD*

**12:40 – 1:05 Orbit Infection & Inflammation**  
*Mary Elizabeth Cunnane, MD*

**1:05 – 1:30 Pediatric Orbital & Ocular Masses**  
*Bernadette L. Koch, MD*

**1:30 – 1:55 Adult Orbital Tumors**  
*Wendy R.K. Smoker, MS, MD, FACR*

**1:55 – 2:20 Orbital Implants: Normal Imaging Appearance & Complications**  
*Ilona M. Schmalfuss, MD*

**2:20 – 2:40 Refreshment Break and Visit Exhibitors**

### Session 2 - Glandular Imaging

*Moderators: Raymond F. Carmody, MD, FACR & Edward E. Kassel, DDS, MD, FACR*

**2:40 – 3:05 Salivary Gland Tumors**  
*Richard H. Wiggins, III, MD, CIIP, FSIIM*

**3:05 – 3:30 Non Neoplastic Salivary Pathology**  
*Karen L. Salzman, MD*

**3:30 – 3:55 Parathyroid Imaging**  
*C. Douglas Phillips, MD, FACR*

**3:55 – 4:20 Thyroid Nodules- Understanding & Applying ACR TI-RADS**  
*Jenny K. Hoang, MBBS*

**4:20 – 4:45 Evaluation of a Palpable Thyroid Mass**  
*Yoshimi Anzai, MD, MPH*

**4:45 End of Session**

**4:45 – 4:55 2016 William N. Hanafee, MD Research Grant Award Presentation ♦**  
*Recipient: Jason M. Johnson, MD*

**4:55 – 5:00 Daily Announcements**

**6:00 Opening Reception**

## Sunday, September 17, 2017

**7:00 – 7:30 AM Breakfast & Learn How-To Session ♦**

### Session 3 - SAM Session I - Head & Neck Potpourri

*Moderators: Joseph M. Aulino, MD & Anton N. Hasso, MD, FACR*

**7:45 – 8:10 Adult Neck Emergencies**  
*Michelle A. Michel, MD*

**8:10 – 8:35 Pediatric Head & Neck Emergencies**  
*Benita Tamrazi, MD*

**8:35 – 9:00 Vascular Lesions of the Head & Neck**  
*Deborah R. Shatzkes, MD*

**9:00 – 9:25 "Stop Touching Me" – NVC Syndromes**  
*Michael R. Cathey, MD*

**9:25 – 9:50 Pediatric Oral Cavity & Oropharyngeal Cases**  
*Karen K. Moeller, MD*

**9:50 – 10:10 Refreshment Break and Visit Exhibitors**

## Sunday, September 17, 2017 (continued)

### Session 4 - Temporal Bone & Skull Base - Part 1

*Moderators: John L. Go, MD, FACR & Timothy L. Larson, MD*

**10:10 – 10:35 Temporal Bone Anatomy**  
*Hillary R. Kelly, MD*

**10:35 – 11:00 Pediatric Hearing Loss**  
*Caroline D. Robson, MB, ChB*

**11:00 – 11:25 SNHL & Work Up For Cochlear Implant**  
*Hugh D. Curtin, MD, FACR*

**11:25 – 11:50 State-of-the-Art Cochlear & Brainstem Implantation**  
*Ravi N. Samy, MD, FACS*

**11:50 – 12:15 PM Imaging of Temporal Bone & Skull Base Infection**  
*Joel D. Swartz, MD*

**12:15 – 1:15 Lunch & Learn How-To Session ♦**

### Session 5 - Head & Neck Cancer - Part 1

*Moderators: Nikdokht (Niky) Farid, MD & Eugene Yu, MD*

**1:30 – 1:55 Nasopharyngeal Cancer**  
*Robert E. Morales, MD*

**1:55 – 2:20 Oral Cavity & Oropharyngeal Cancer**  
*Kristine M. Mosier, DMD, PhD*

**2:20 – 2:45 Hypopharyngeal & Laryngeal Cancer**  
*Vikas Jain, MBBS*

**2:45 – 3:10 PET/CT Surveillance**  
*Barton F. Branstetter, IV, MD, FACR*

**3:10 – 3:30 Refreshment Break and Visit Exhibitors**

### Session 6 - Head & Neck Cancer - Part 2

*Moderators: Tanya J. Rath, MD & Christopher P. Wood, MD*

**3:30 – 3:55 Understanding Perineural Tumor Spread**  
*Hilda E. Stambuk, MD*

**3:55 – 4:20 NI-RADS**  
*Ashley Hawk Aiken, MD*

**4:20 – 4:45 Head & Neck Reconstruction Flaps**  
*Amanda S. Corey, MD, FACR*

**4:45 – 5:00 Refreshment Break and Visit Exhibitors**

### Session 7- Game Show

**5:00 – 6:00 Head and Neck "Jeopardy" Game Show**  
*Creator & Host - Claudia F.E. Kirsch, MD*  
*Co-Hosts - Justin Brucker, MD and Karen A. Tong, MD*

**6:00 End of Session**

## Monday, September 18, 2017

**7:00 – 7:30 AM Breakfast & Learn How-To Session ♦**  
Sponsored by McKesson Imaging & Workflow Solutions

### Session 8 - Temporal Bone & Skull Base - Part 2

*Moderators: Joel K. Cure, MD & John (Jack) I. Lane, MD*

**7:45 – 8:10 Skull Base Anatomy, Variants & "Don't Touch Me Lesions"**  
*Nancy J. Fischbein, MD*

**8:10 – 8:35 CPA Tumors**  
*Amy F. Juliano, MD*

**8:35 – 9:00 CPA Surgery**  
*Ravi N. Samy, MD, FACS*

**9:00 – 9:25 Post-Operative Temporal Bone**  
*Gul Moonis, MB, BS*

**9:25 – 9:50 Skull Base Trauma/CSF Leak**  
*Kristen Lloyd Bagnon, MD*

**9:50 – 10:05 Refreshment Break and Visit Exhibitors**

## Monday, September 18, 2017 (continued)

### Session 9 - Value-Added Head & Neck Radiology: Errors & Pathways to Improvement

Moderators: Barton F. Branstetter, IV, MD, FACR & Edward J. Escott, MD

- 10:05 – 10:40 **Errors in Radiology**  
*Christine M. Glastonbury, MBBS*
- 10:40 – 11:05 **Avoiding Errors in Head & Neck Cancer Imaging**  
*Lawrence E. Ginsberg, MD*
- 11:05 – 11:30 **Missed Cases in Head & Neck Imaging**  
*Philip R. Chapman, MD*
- 11:30 – 11:55 **Dedicated Head & Neck Imaging Service**  
*Patricia A. Hudgins, MD, FACR*
- 11:55 – 12:20 PM **Head & Neck Tumor Conference: Lessons for the Radiologist**  
*David R. DeLone, MD*
- 12:20 – 1:30 **Gold Medal Award Luncheon ♦**
- 1:30 – 2:45 **Scientific Paper Sessions I and II ♦**  
Moderators:  
*Anthony M. Alleman, MD, MPH, Roy A. Holliday, MD, Claudia F.E. Kirsch, MD & Karen A. Tong, MD*

### Session 10 - SAM Session II: Clinical Problem Solving-Cranial Nerves

Moderators: Roberta W. Dalley, MD & Charles J. Schatz, MD, FACR

- 2:50 – 3:15 **Vision Loss**  
*Tabassum A. Kennedy, MD*
- 3:15 – 3:40 **Facial Pain**  
*Daniel W. Williams, III, MD*
- 3:40 – 4:05 **Facial Paralysis**  
*Lindell R. Gentry, MD, FACR*
- 4:05 – 4:30 **Tinnitus**  
*Bruno A. Policeni, MD, MBA*
- 4:30 – 4:55 **Hoarseness**  
*Mari Hagiwara, MD*
- 4:55 – 5:00 **Daily Announcements**
- 5:00 **End of Session**

## Tuesday, September 19, 2017

- 7:00 – 7:30 AM **Breakfast & Learn How-To Session ♦**  
Sponsored by Philips Healthcare

### Session 11 - Head & Neck Anatomy and Pathology

Moderators: Bronwyn E. Hamilton, MD & Michele H. Johnson, MD

- 7:45 – 8:10 **Masticator Space**  
*Daniel E. Meltzer, MD*
- 8:10 – 8:35 **Parapharyngeal & Carotid Space**  
*H. Christian Davidson, MD*
- 8:35 – 9:00 **Retropharyngeal, Danger & Paraspinal Spaces**  
*Keivan Shifteh, MD*
- 9:00 – 9:25 **Thoracic Inlet**  
*Deborah L. Reede, MD*
- 9:25 – 9:40 **Refreshment Break and Visit Exhibitors**
- 9:40 – 10:55 **Scientific Paper Session III ♦**  
Moderators:  
*Kristine M. Mosier, DMD, PhD & Momin Muzaffar, MD*

## Tuesday, September 19, 2017 (continued)

### Session 12 - Advanced Imaging

Moderators: Nicholas A. Koontz, MD & David M. Yousem, MD, MBA

- 11:00 – 11:25 **Dual Energy CT in Head & Neck**  
*Reza Forghani, MD, PhD*
- 11:25 – 11:50 **Biological & Molecular CT Imaging**  
*Suresh K. Mukherji, MD, FACR, MBA*
- 11:50 – 12:15 PM **Perfusion & Diffusion Imaging**  
*Ashok Srinivasan, MD*
- 12:15 – 12:45 **Annual Business Lunch Meeting ♦ (ASHNR Members Only)**
- 12:15 – 1:15 **Lunch on Your Own**
- 1:15 – 1:30 **Award Announcements - Case-of-the-Day, Exhibits and Oral Presentations ♦**  
*Nancy J. Fischbein, MD*

### Session 13 - Head & Neck Ultrasound

Moderators: Rupa Radhakrishnan, MD & Nathaniel D. Von Fischer, MD

- 1:30 – 1:55 **Salivary Gland Ultrasound**  
*Kim O. Learned, MD*
- 1:55 – 2:20 **Controversies in Head & Neck Ultrasound**  
*Julie L. Bykowski, MD*
- 2:20 – 2:45 **Advanced Ultrasound Biopsy Techniques**  
*Beth S. Edeiken-Monroe, MD*
- 2:45 **End of Session**
- 2:45 – 5:00 **Hands-on US and US-Guided Workshop ♦**  
Sponsored by Hitachi Aloka Medical America, Inc.  
Instructors: Salmaan Ahmed, MD, Beth S. Edeiken-Monroe, MD, Maria Gule, MD, Kim O. Learned, MD & Thinh H. Vu, MD
- 7:00 – 10:00 **Closing Gala at Heart Night Club at the Omnia (Caesars Palace)**

## Wednesday, September 20, 2017

- 8:00 – 8:30 AM **Continental Breakfast for Registrants**

### Session 14 - SAM Session III - Neck Masses, Sinuses & Maxillofacial Imaging - Part 1

Moderators: Rihan Khan, MD & Daniel L. Wannemacher, MD

- 8:30 – 8:55 **Imaging of Cervical Lymphadenopathy in Children**  
*Jennifer A. Vaughn, MD*
- 8:55 – 9:20 **Non-nodal Pediatric Neck Masses**  
*Mai-Lan Ho, MD*
- 9:20 – 9:45 **Sinonasal Anatomy**  
*Rihan Khan, MD*
- 9:45 – 10:10 **Sinonasal Tumors**  
*Gregory D. Avey, MD*

- 10:10 – 10:25 **Refreshment Break and Visit Exhibitors**

### Session 15 - SAM Session IV - Sinus & Maxillofacial Imaging - Part 2

Moderators: Sugoto Mukherjee, MD & Osamu Sakai, MD, PhD

- 10:25 – 10:45 **Sinus Surgery & Post Operative Sinus Imaging**  
*Vijay M. Rao, MD, FACR*
- 10:45 – 11:10 **Understanding the TMJ**  
*Dania F. Tamimi, BDS, DMSc*
- 11:10 – 11:35 **Facial Trauma**  
*Edward P. Quigley, III, MD, PhD*
- 11:35 – 11:45 **Closing Remarks**  
*Rebecca S. Cornelius, MD, FACR*

- 11:45 **End of Meeting**

Faculty & topics subject to change.

♦ Session not accredited for AMA PRA Category 1 Credit(s)<sup>™</sup> or Category A CE Credit(s)

\* This SAM session will be submitted for approval and is subject to change.

# Invited Faculty and Moderators

## INVITED FACULTY / MODERATORS

**Ashley Hawk Aiken, MD**

Emory University School of Medicine

**Anthony M. Alleman, MD, MPH**

Oklahoma University Health Sciences

**Yoshimi Anzai, MD, MPH**

University of Utah Healthcare

**Joseph M. Aulino, MD**

Vanderbilt University Medical Center

**Gregory D. Avey, MD**

University of Wisconsin School of Medicine and Public Health

**Kristen Lloyd Baugnon, MD**

Emory University School of Medicine

**Susan I. Blaser, MD, FRCP(C)**

University of Toronto

**Barton F. Branstetter, IV, MD, FACP**

University of Pittsburgh Medical Center

**Justin Brucker, MD**

University of Rochester Medical Center

**Julie L. Bykowski, MD**

University of California San Diego Health

**Raymond F. Carmody, MD, FACP**

Banner University of Arizona Medical Center

**Michael R. Cathey, MD**

Naval Medical Center San Diego

**Philip R. Chapman, MD**

University of Alabama Birmingham

**Asim F. Choudhri, MD**

University of Tennessee Health Science Center

**Amanda S. Corey, MD, FACP**

Emory University

**Rebecca S. Cornelius, MD, FACP**

University of Cincinnati College of Medicine

**Mary Elizabeth Cunnane, MD**

Harvard Medical School

**Joel K. Cure, MD**

University of Alabama at Birmingham

**Hugh D. Curtin, MD, FACP**

Harvard Medical School

**Roberta W. Dalley, MD**

University of Washington Medical Center

**H. Christian Davidson, MD**

University of Utah School of Medicine

**David R. DeLone, MD**

Mayo Clinic

**Beth S. Edeiken-Monroe, MD**

University of Texas M.D. Anderson Cancer Center

**Edward J. Escott, MD**

University of Kentucky College of Medicine

**Nikdokht (Niky) Farid, MD**

University of California, San Diego

**Nancy J. Fischbein, MD**

Stanford University School of Medicine

**Reza Forghani, MD, PhD**

Jewish General Hospital

**Lindell R. Gentry, MD, FACP**

University of Wisconsin, Madison

**Lawrence E. Ginsberg, MD**

University of Texas M.D. Anderson Cancer Center

**Christine M. Glastonbury, MBBS**

University of California, San Francisco

**John L. Go, MD, FACP**

Keck School of Medicine

**Mari Hagiwara, MD**

New York University Langone Medical Center

**Bronwyn E. Hamilton, MD**

Oregon Health & Science University

**Anton N. Hasso, MD, FACP**

University of California, Irvine Medical Center

**Roy A. Holliday, MD**

New York Eye & Ear Infirmary

**Mai-Lan Ho, MD**

Mayo Clinic

**Jenny K. Hoang, MBBS**

Duke University Medical Center

**Patricia A. Hudgins, MD, FACP**

Emory University Hospital

**Vikas Jain, MBBS**

Case Western Reserve University

**Michele H. Johnson, MD**

Yale University School of Medicine

**Amy Fan-Yee Juliano, MD**

Harvard Medical School

**Edward E. Kassel, DDS, MD, FACP**

University of Toronto

**Hillary R. Kelly, MD**

Massachusetts General Hospital

**Tabassum A. Kennedy, MD**

University of Wisconsin, Madison

**Rihan Khan, MD**

University of Arizona College of Medicine

**Claudia F.E. Kirsch, MD**

Hofstra Northwell School of Medicine

**Bernadette L. Koch, MD**

Cincinnati Children's Hospital

**Nicholas A. Koontz, MD**

Indiana University School of Medicine

**John (Jack) I. Lane, MD**

Mayo Clinic

**Timothy L. Larson, MD**

Radia Inc., PS

**Kim O. Learned, MD**

University of Pennsylvania Health System

**Laurie A. Loevner, MD**

University of Pennsylvania Medical Center

**Daniel E. Meltzer, MD**

Icahn School of Medicine Mount Sinai West

**Michelle A. Michel, MD**

Medical College of Wisconsin/Froedtert Hospital

**Karen K. Moeller, MD**

University of Louisville

**Gul Moonis, MB, BS**

Columbia University Medical Center

**Robert E. Morales, MD**

University of Maryland School of Medicine

**Kristine M. Mosier, DMD, PhD**

Indiana University School of Medicine

**Sugoto Mukherjee, MD**

University of Virginia Health System

**Suresh K. Mukherji, MD, MBA, FACP**

Michigan State University

**Momin Muzaffar, MD**

Carle Foundation Hospital

**C. Douglas Phillips, MD, FACP**

Weill Cornell Medical College

**Bruno A. Policeni, MD, MBA**

University of Iowa Hospital and Clinics

**Edward P. Quigley, III, MD, PhD**

University of Utah

**Rupa Radhakrishnan, MD**

Cincinnati Children's Hospital Medical Center

**Vijay M. Rao, MD, FACP**

Thomas Jefferson University Hospital

**Tanya J. Rath, MD**

University of Pittsburgh Medical Center

**Deborah L. Reede, MD**

SUNY Downstate Medical Center

**Caroline D. Robson, MB, ChB**

Boston Children's Hospital

**Osamu Sakai, MD, PhD**

Boston Medical Center

**Karen L. Salzman, MD**

University of Utah School of Medicine

**Ravi N. Samy, MD, FACS**

University of Cincinnati College of Medicine

**Charles J. Schatz, MD, FACP**

Beverly Tower Roxsan Advanced Imaging Center

**Ilona M. Schmalfuss, MD**

University of Florida School of Medicine

**Deborah R. Shatzkes, MD**

Lenox Hill Hospital

**Keivan Shifteh, MD**

Montefiore Medical Center

**Wendy R.K. Smoker, MS, MD, FACP**

University of Iowa Hospitals and Clinics

**Ashok Srinivasan, MD**

University of Michigan Health System

**Hilda E. Stambuk, MD**

Memorial Sloan-Kettering Cancer Center

**Joel D. Swartz, MD**

Germantown Imaging Associates

**Dania F. Tamimi, BDS, DMSc**

Institute of Advanced Maxillofacial Imaging

**Benita Tamrazi, MD**

Children's Hospital Los Angeles

**Karen A. Tong, MD**

Loma Linda University Medical Center

**Jennifer A. Vaughn, MD**

Children's Hospital Boston

**Nathaniel D. Von Fischer, MD**

Kaiser Permanente South San Francisco

**Daniel L. Wannemacher, MD**

University of Cincinnati

**Richard H. Wiggins, III, MD, CIIP, FSIM**

University of Utah Health Sciences Center

**Daniel W. Williams, MD**

Wake Forest University School of Medicine

**Christopher P. Wood, MD**

Mayo Clinic

**David M. Yousem, MD, MBA**

Johns Hopkins Hospital

**Eugene Yu, MD, FRCPC**

Mount Sinai Hospital and Women's College Hospital

## CASE-OF-THE-DAY PRESENTERS:

**Keerthi Arani, MD**

**Mai-Lan Ho, MD**

**Remy R. Lobo, MD**

**Marc C. Mabray, MD**

**Mark D. Mamlouk, MD**

**Ellen E. Parker, MD**

**Jared M. Steinklein, MD**

**Jennifer A. Vaughn, MD**

**Daniel L. Wannemacher, MD**

## 2016 WILLIAM N. HANAFEE, MD RESEARCH GRANT AWARD PRESENTER:

**Jason M. Johnson, MD**

# Registration Information

51<sup>st</sup> Annual Meeting

# American Society of Head & Neck Radiology

ASHNR17

A late fee of \$75 will be added to any registration postmarked after **August 16, 2017**.

<b>ASHNR Member</b>	<input type="checkbox"/> \$625.00
<b>Non-ASHNR Member</b>	<input type="checkbox"/> \$825.00
<b>Members-in-Training</b>	<input type="checkbox"/> \$350.00
<input type="checkbox"/> Resident <input type="checkbox"/> Fellow <input type="checkbox"/> Medical Student	
<b>Other</b>	<input type="checkbox"/> \$400.00
<input type="checkbox"/> Technologist <input type="checkbox"/> Physician Assistant <input type="checkbox"/> Military <input type="checkbox"/> Retired	
<b>Retired ASHNR Member</b>	<input type="checkbox"/> Free
<b>International Attendees</b> (outside of North America) 50% discount on meeting registration rates listed above.	<input type="checkbox"/>
<b>Hands-on US and US-Guided Workshop</b> Tuesday, September 19, 2017 Separate Registration Required - Registration is Limited to 20 Attendees Per Workshop (Not accredited for <i>AMA PRA Category 1 Credit(s)</i> <sup>TM</sup> )	<input type="checkbox"/> \$70.00
<b>Please Select The Time You Wish To Attend:</b>	
<input type="checkbox"/> SESSION 1: 2:45 PM - 3:45 PM	
<input type="checkbox"/> SESSION 2: 3:45 PM - 4:45 PM	

<input type="checkbox"/> Yes, I plan to attend the Opening Reception <b>Saturday, September 16, 2017</b>
<input type="checkbox"/> Yes, I plan to attend the Gold Medal Award Luncheon <b>Monday, September 18, 2017</b> (You must RSVP to attend, seating is limited.) <b>(Free for ASHNR members; <input type="checkbox"/> \$35 for Non-Members)</b> <input type="checkbox"/> Vegetarian Option
<input type="checkbox"/> Yes, I plan to attend the Annual Business Meeting (ASHNR MEMBERS ONLY) <b>Tuesday, September 19, 2017</b> - Please select one (1) boxed lunch option: <input type="checkbox"/> Roast Beef <input type="checkbox"/> Grilled Portobello <input type="checkbox"/> Chicken Caesar Salad
<input type="checkbox"/> Yes, I plan to attend the Closing Gala at Omnia Nightclub ( <i>must be at least 21 years old to attend</i> ) <b>Tuesday, September 19, 2017</b> (Free for attendees; guests additional) <input type="checkbox"/> Guest/Spouse Closing Gala Fee <input type="checkbox"/> \$70.00 Guest Name _____

**TOTAL ENCLOSED: \$** \_\_\_\_\_

## 4 Easy Ways To Register

We Accept



**INTERNET**  
[www.ASHNR.org](http://www.ASHNR.org)

### MAIL

Check payable to:  
ASHNR

c/o Educational Symposia  
5620 West Sligh Avenue  
Tampa, Florida  
33634-4490

### FAX

(800) 344-0668  
(U.S. & Canada)  
(813) 806-1001

### PHONE

(800) 338-5901  
(U.S. & Canada)  
(813) 806-1000

Name	Degree <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> DDS <input type="checkbox"/> DMD <input type="checkbox"/> Ph.D. <input type="checkbox"/> Other
Company / Institution	Specialty: <input type="checkbox"/> Neuroradiology <input type="checkbox"/> Otolaryngology <input type="checkbox"/> Radiation <input type="checkbox"/> Oncology <input type="checkbox"/> Maxillofacial Radiology <input type="checkbox"/> Dentistry <input type="checkbox"/> Other
Address	City / State / Zip Code / Country
Phone	Email
Card Number / Card Type: <input type="checkbox"/> Master Card <input type="checkbox"/> Visa <input type="checkbox"/> American Express <input type="checkbox"/> Discover	Expiration Date Security Code
Billing Address	City / State / Zip Code / Country
Cardholder Signature	

**Cancellations:** Requests for refund of registration fees, less a \$75.00 administrative fee, will be made to those providing written notification of cancellation by August 16, 2017. After that date, there will be no refunds given for cancellations. Please email notice of cancellation to: [lsessa@edusymp.com](mailto:lsessa@edusymp.com) or fax to 800-344-0668.

## Caesars Palace Las Vegas

### ABOUT THE HOTEL

From the moment you walk through the doors of Caesars Palace, you'll understand why this iconic Las Vegas luxury hotel sets the standard for opulent details, impeccable service and lavish Las Vegas accommodations.

From celebrity-owned concepts and a world-class buffet to upscale dining and casual fare, Caesars Palace offers the finest restaurants on the Las Vegas strip. Caesars Palace is the ultimate destination for an eclectic assortment of top chef restaurants and other delectable dining options.

Each of the Garden of the Gods' six Las Vegas pools offers a unique and distinctive experience for sun worshippers as well as those who would prefer to make a splash. You're sure to find one perfect for your mood.

### HOW TO GET THERE

Fly directly to McCarran International Airport, located just 13 minutes from Caesars Palace Las Vegas. Daily non-stop flights are available to Las Vegas for major national and international carriers.



**SPACE IS LIMITED - RESERVE TODAY:** Call Reservations at: (866) 227-5944 and reference "American Society of Head and Neck Radiology Annual Meeting or ASHNR Annual Meeting" or reference **GROUP CODE: SCAAM7** to receive the group discount or book online at: <https://aws.passkey.com/go/SCAAM7>

**Group Room Rates Start At.... \$209.00/nt.**  
(Single/Double Occupancy)

Cost for additional person over double occupancy is \$30.00 for 3rd and 4th person.

Room Preference:  
King bed/Two queen beds - Smoking/Non-smoking

**HOTEL CUT-OFF DATE: AUGUST 18, 2017** - Subject to availability, group rates may be available three (3) days before and three (3) days after the conference.

**HOTEL TAX:** 13.38% **DAILY RESORT FEE:** \$30.00 per room, per night

**DEPOSIT POLICY:** A deposit of one (1) night's room rate plus tax will be charged at time of reservation to guarantee accommodations.

**CANCELLATION POLICY:** All cancellations, arrival and departure date changes must be made 72 hours or more prior to scheduled arrival date/time to avoid penalties. Check-in time is: 4:00 PM; Check-out time is: 11:00 AM.

**HOTEL:** 3570 Las Vegas Blvd. S.  
Las Vegas, Nevada 89109

**PHONE:** 702-731-7110



**AMERICAN SOCIETY OF  
HEAD & NECK RADIOLOGY**

c/o Educational Symposia  
5620 West Sligh Avenue  
Tampa, Florida 33634-4490

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**ASHNR  
52<sup>nd</sup> Annual Meeting**

**September 26 - 30, 2018**

The Westin Savannah  
Harbor Golf Resort & Spa  
Savannah, Georgia



Call for Abstracts at [www.ashnr.org](http://www.ashnr.org)  
Deadline: May 19, 2017



*51<sup>st</sup> Annual Meeting*

**American Society of**

# **Head & Neck Radiology**

*Head and Neck Imaging in  
the City of Lights*



**September 16 – 20, 2017**  
**(Saturday - Wednesday)**

Caesars Palace • Las Vegas, Nevada

26.5 AMA PRA Category 1 Credit(s)<sup>™</sup>

Four sessions of the meeting will be submitted for SAM qualification.