

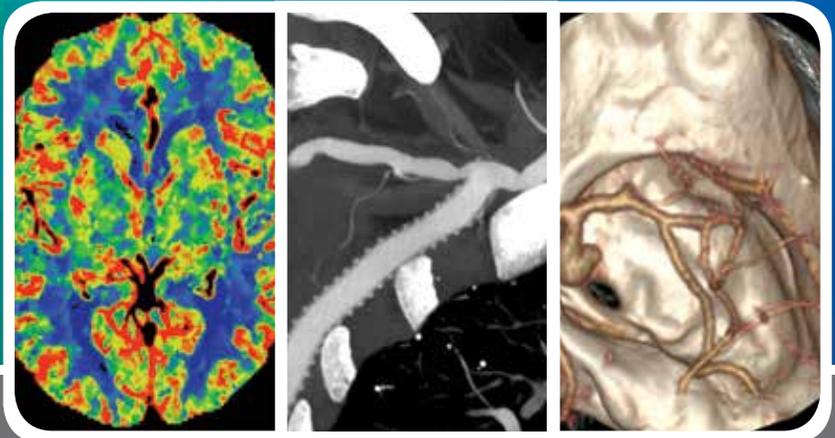
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A CME Teaching Activity

# American Society of Head & Neck Radiology

Head and Neck Imaging - Current and Future

**Designated for SA-CME**



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

Release Date: January 15, 2018

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## About This CME Teaching Activity

This CME teaching activity provides a broad review of head and neck imaging. Speakers present content-rich, clinically relevant materials on head and neck anatomy, nodal metastases, head and neck cancer staging, cranial nerve imaging, sinonasal imaging, and skull base imaging. In addition, pediatric head and neck imaging, parathyroid imaging, and surveillance imaging for head and neck cancer patients is included. Material contained in this product was captured during the 2014 ASHNR live meeting.

## Target Audience

This CME teaching activity is designed to educate radiologists, neuroradiologists, dental and oral-maxillofacial practitioner, ENT physicians, head and neck surgeons, medical and radiation oncologists, general surgeons with other healthcare professionals interested in head and neck pathology, treatment and imaging.

## Scientific Sponsor

Educational Symposia

## Accreditation

**Physicians:** Educational Symposia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

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**SA-CME:** Credits awarded for this enduring activity are designated “SA-CME” by the American Board of Radiology (ABR) and qualify toward fulfilling requirements for Maintenance of Certification (MOC) Part II: Life Long Learning and Self-assessment.

All activity participants are required to pass a written or online test with a minimum score of 70% in order to be awarded credit. (Exam materials, if ordered, will be sent with your order.) All course participants will also have the opportunity to critically evaluate the program as it relates to practice relevance and educational objectives.

**AMA PRA Category 1 Credit(s)<sup>™</sup> for this activity may be claimed until January 14, 2021.**

This CME activity was planned and produced by Educational Symposia,  
the leader in diagnostic imaging education since 1975.

This activity was planned and produced in accordance with the ACCME Essential Areas and Elements.

## Educational Objectives

At the completion of this CME teaching activity, you should be able to:

- Identify the anatomy of temporal bone, skull base, suprahyoid neck, and infrahyoid neck.
- Describe the lymphatic drainage and patterns of metastases.
- Review the anatomy of cranial nerves and 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 process that involve the sinonasal region.
- Describe the clinical applications and indications of perfusion and diffusion imaging of head and neck tumor.
- Review current strategies for dose reduction for CT examination for head and neck.
- Discuss the benefit and limitations of PET/CT imaging for head and neck cancer.
- Recognize imaging features of various developmental and odontogenic maxillofacial lesions.

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

# Faculty

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## **James J. Abrahams, M.D.**

*Professor of Diagnostic Radiology & Surgery  
(Otolaryngology)*

*Director, Neuroradiology Fellowship  
Chief, ENT Radiology  
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## **Ashley Hawk Aiken, M.D.**

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*(Faculty Continued)*

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### Christine M. Glastonbury, MBBS

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Weill Cornell Medical College  
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*President  
Germantown Imaging Associates  
Gladwyne, PA*

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*Director MRI, CT and Outpatient/Advanced  
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Head and Neck Surgery, and BioMedical Informatics  
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### **Daniel W. Williams, III, M.D.**

*Professor of Radiology  
Wake Forest School of Medicine  
Winston-Salem, NC*

# Program

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## SESSION 1

SHN Anatomy I – Parapharyngeal, Masticator & Parotid Spaces

*H. Christian Davidson, M.D.*

SHN Anatomy II – Spaces that Cross the Hyoid Divide - Carotid, Retropharyngeal, and Perivertebral Spaces

*Karen L. Salzman, M.D.*

Infrahyoid Neck and Thoracic Inlet

*Roy A. Holliday, M.D.*

Imaging of Cervical Lymph Nodes

*Ashley Hawk Aiken, M.D.*

## SESSION 2

Evaluation of Double Vision

*Claudia F. E. Kirsch, M.D.*

Evaluation of Facial Pain

*Daniel W. Williams, III, M.D.*

Evaluation of Facial Paralysis

*Jane L. Weissman, M.D., FACR*

Evaluation of Tinnitus

*C. Douglas Phillips, M.D., FACR*

Evaluation of Hoarseness

*Hilda E. Stambuk, M.D.*

## SESSION 3

MRI/MRA Fusion Imaging for Vascular Loop Compression Syndromes

*John L. Go, M.D.*

Salivary Gland Tumors

*Rebecca S. Cornelius, M.D., FACR*

## SESSION 3 (continued)

Imaging of the Thyroid Mass

*Jenny K. Hoang, MBBS*

Pediatric Ocular Lesions and Orbital Masses

*Bernadette L. Koch, M.D.*

## SESSION 4

Vascular Lesions of the Head & Neck

*Deborah R. Shatzkes, M.D.*

Nasopharyngeal Cancer and Patterns of Spread

*Christine M. Glastonbury, MBBS*

Imaging of Oropharynx Cancer and Implications for Treatment

*Robert E. Morales, M.D.*

Imaging of Oral Cavity Cancer

*Kristine M. Mosier, DM.D., Ph.D.*

## SESSION 5

PET-CT and PET-MR in Head & Neck Cancer

*Barton F. Branstetter, M.D.*

Temporal Bone Anatomy

*Hillary R. Kelly, M.D.*

SNHL and Imaging Workup for Cochlear Implantation

*Hugh D. Curtin, M.D.*

Imaging of Temporal Bone Infection and Inflammation

*Joel D. Swartz, M.D.*

---

## SESSION 6

### Skull Base Anatomy, Anatomic Variants, and “Don’t Touch Me Lesions”

*Nancy J. Fischbein, M.D.*

### How to Image the Patient with CSF Leak?

*Kristen Lloyd Baugnon, M.D.*

### Skull Base Tumors

*Richard H. Wiggins, III, M.D., CIIP, FSIIM*

### Laryngeal Anatomy and Pathology

*Amy Fan-Yee Juliano, M.D.*

## SESSION 7

### The Art of Detecting PNTS – What To Look For

*Ilona M. Schmalfuss, M.D.*

### Evaluation of the Post Treatment Neck

*Peter M. Som, M.D., FACR, FRSM*

### Sinonasal Cavities: Anatomic Landmarks, Drainage Pathways, and Variants

*Michelle A. Michel, M.D.*

### Sinonasal Neoplasm Imaging and Implications for Treatment

*Laurie A. Loevner, M.D.*

## SESSION 8

### Craniofacial Resection – What the Surgeons Need To Know

*Neal Futran, M.D., DMD*

### Maxillofacial Fractures and Complications

*Lindell R. Gentry, M.D., FACR*

### Parathyroid Imaging: 4D CT vs. Sestamibi and CT/MR

*Jenny K. Hoang, MBBS*

*Laurie A. Loevner, M.D.*

### Surveillance Imaging: PET/CT vs. CT/MR

*Barton F. Branstetter, IV, M.D.*

*Lawrence E. Ginsberg, M.D.*

### Low Dose CT for the Head & Neck

*Lawrence N. Tanenbaum, M.D., FACR*

## SESSION 9

### High Resolution Extracranial Nerve Imaging

*Ari M. Blitz, M.D.*

### Diffusion and Perfusion Imaging of Head & Neck

*Ashok Srinivasan, M.D.*

### Are You Ready for the MOC? Unknown Head & Neck Case Review – Part 1

*Philip R. Chapman, M.D.*

### Imaging of Jaw Lesions

*Lisa J. Koenig, BChD, DDS, MS*

# Program *(continued)*

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## SESSION 10

Complications of Dental Implants –  
What To Look For?

*James J. Abrahams, M.D.*

Otosclerosis and Dysplasia of the  
Temporal Bone - Short Presentation

*Osamu Sakai, M.D., Ph.D.*

Opportunistic Infections in the  
Immunocompromised Patient

*Bronwyn E. Hamilton, M.D.*

Pediatric Emergencies

*Karuna V. Shekdar, M.D.*

Carotid Dissection, Compression and  
Blow Out - Diagnosis and Management

*Michele H. Johnson, M.D.*

## SESSION 11

Imaging of Ocular and Orbital Injuries

*Roberta W. Dalley, M.D.*

Avoiding Errors in Head and Neck  
Cancer Imaging: A Personal Journey

*Lawrence E. Ginsberg, M.D.*

Practical Approach for the Brachial  
Plexus Pathology

*Kenneth R. Maravilla, M.D.*

ASHNR Presidential Address  
Head & Neck Radiology – Past,  
Present, and Future

*Yoshimi Anzai, M.D., MPH*

## SESSION 12

Accountable Care Organization –  
Impact on Radiology Practice

*Norman J. Beauchamp, Jr., M.D., MHS*

Are You Ready for the MOC? Unknown  
Head & Neck Case Review – Part 2

*Joel K. Cure, M.D.*

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