

53<sup>rd</sup> Annual Meeting | American Society of

# Head & Neck Radiology

Head and Neck Imaging in the Valley of the Sun

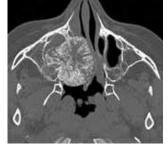
October 2 - 6, 2019

The Westin Kierland Resort & Spa Scottsdale, Arizona

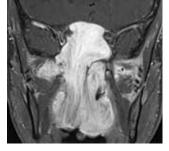
28.75 AMA PRA Category 1 Credit(s)™
8.75 hours will be submitted for SAM qualification.













## From The President-Elect and Program Chair

On behalf of the American Society of Head and Neck Radiology I'm delighted to welcome you to the 53rd Annual Meeting of the ASHNR, which will be held in Scottsdale, Arizona from Wednesday, October 2 – Sunday, October 6, 2019. Head and Neck Imaging in the Valley of the Sun will kick off with the Early Bird Session on Wednesday morning titled Errors are Opportunities: Mistakes, Misses & Difficult Diagnoses. A theme of mentoring will be emphasized in this opening session, reprised in the popular "Pearl from My Mentor" presentations, and discussed in detail during a Mentoring Meal, to be held during the meeting for trainees and faculty who have newly embarked on their careers.

Lectures will incorporate basic core and advanced, specialized topics on a wide variety of head and neck imaging topics, including applied anatomy and disease processes involving the orbits, sinonasal regions, skull base, temporal bones, lymph nodes & glands, H & N spaces, teeth and jaws. There will also be a new session on Artificial Intelligence. In total there will be 28.75 AMA PRA Category 1 Credit(s)™ and 5 SAM sessions, with talks from approximately 80 talented speakers, considered experts in their field, including 10 rising stars whom we warmly welcome to the ASHNR meeting podium.

The beautiful and tranquil Westin Kierland Resort & Spa, located near the McDowell Mountains in Scottsdale, with panoramic views of surrounding mountains, celebrates the rich legacy of Arizona. Accessible from major cities by direct flights to Phoenix, the resort is located about 20 miles from the airport. Resort features include a world class Golf Club, the Agave Spa, a 24 hour fitness studio, swimming pools, tennis courts, bike rentals, babysitting services, a kids club and several excellent restaurants. Cats and dogs are also welcome! Abundant dining, retail and entertainment options are located within walking distance. Scottsdale and nearby Phoenix offer a wealth of activities including innumerable great hiking trails, hot air ballooning, OdySea Aquarium, Butterfly Wonderland, Desert Botanical Garden, and a variety of museums and art galleries. In closing, I am honored to invite you to attend the 53rd Annual ASHNR meeting for abundant excellent educational opportunities, to reconnect with and make new friends and to enjoy the gorgeous Valley of the Sun.

Caroline D. Robson, MBChB
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.

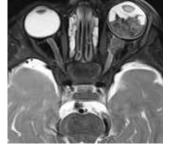
Educational Symposia designates this live activity for a maximum of 28.75 AMA PRA Category 1 Credit(s)<sup>TM</sup>, including 1.5 AMA PRA Category 1 Credit(s)<sup>TM</sup> for the Early Bird Session. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**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 or call (813) 806-1000 regarding the availability of Category A CE credit.

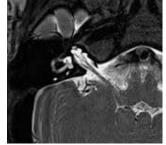
## **Target Audience**

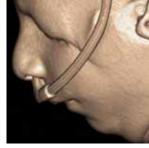
- General radiologists seeking to improve their understanding and skills in head and neck imaging.
- Radiologists with neuroradiology training or an interest in head and neck imaging who wish to increase their knowledge of imaging and treatment of head and neck pathology.
- Non-radiologists, including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











## **Educational Objectives**

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

- Recognize sources of error in head and neck imaging and develop strategies for error prevention.
- Become familiar with applied anatomy and diseases of the orbits, sinuses and nasal cavity while providing important preoperative information.
- Review normal anatomy, developmental anomalies and disease processes of the skull base.
- Identify temporal bone anatomy and develop a diagnostic approach to different types of hearing loss, inflammatory and neoplastic disorders and the post-operative temporal bone.
- Assess anatomy and abnormality in relation to cranial nerves, the brachial plexus and sympathetic chain while also recognizing denervation atrophy.
- · Develop an understanding of artificial intelligence.
- Demonstrate increased knowledge of the anatomy of the head and neck spaces and diagnostic considerations for each space.
- Recognize atraumatic emergencies related to the pediatric and adult airway, neck infections, the temporal bone and orbit.
- Diagnose and distinguish between vascular anomalies, developmental lesions and malignant pediatric head and neck tumors.
- Review cancer staging, different etiologies and anatomic locations of head and neck cancer, perineural tumor spread, advanced imaging techniques and post therapeutic imaging.
- Identify normal anatomy and disease affecting the nodal and glandular tissues
  of the neck.
- Develop an approach to jaw lesions, dental nomenclature and temporomandibular joint imaging.
- Describe the various types of traumatic injury in the head and neck, associated complications, and the use of 3D computer generated imagery models in the assessment of trauma.

No special educational preparation is required for this CME activity.

### 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 <a href="https://www.ashnr.org">www.ashnr.org</a>. Deadline for submissions is Sunday, June 2, 2019.

#### Special Note for the Disabled

Educational Symposia (ESI) and the American Society of Head & Neck Radiology (ASHNR) 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 (813) 806-1000.

#### **Disclaimer**

Educational Symposia (ESI) and the American Society of Head & Neck Radiology (ASHNR) 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.

## 2018-2019 Program Committee

Caroline D. Robson, MBChB President-Elect and Program Chair

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vice-rieside

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## EARLY BIRD SESSION: Errors are Opportunities: Mistakes, Misses & Difficult Diagnoses

Wednesday, October 2, 2019 10:30 AM – 12:00 PM

Please join us for the Errors are Opportunities: Mistakes, Misses and Difficult Diagnoses Early Bird Session (1.5 AMA PRA Category 1 Credits (s)<sup>TM</sup>) which will be an opportunity for registrants to show cases. Please email your PowerPoint presentation with anonymized cases, free of any patient identifiers, to caroline.robson@childrens.harvard.edu. While a limited number of cases may additionally be accepted in person up to 15 minutes before the session start, priority will be given to those submitted via email in advance. 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 2 cases to allow as many attendees as possible to participate.

## **Pearl From My Mentor**

Honor a mentor by preparing a PowerPoint presentation (duration ≤ 5 minutes) that includes a "pearl" that you were taught, with an illustrative example, together with your mentor's name and photograph. Please email presentations to caroline.robson@childrens.harvard.edu.

## **Meeting Program**

Post Operative Temporal Bone Gul Moonis, MBBS

Refreshment Break and Visit Exhibitors

9:35 – 9:55 **9:55 – 10:15** 

Wednesday, October 2, 2019		Thursday, October 3, 2019 (continued)			
9:00 AM Registration Opens		Session 5 - Cranial Nerves: Anatomy & Abnormalities			
	Early Bird Session Difficult Diagnose	n: Errors are Opportunities: Mistakes, Misses and es	10:15 – 10:35	D. Avey, MD and Christine M. Glastonbury, MBBS, MD  Cranial Nerves III, IV, VI  Ari M. Blitz, MD	
	10:30 – 12:00 PM	Moderators: Philip R. Chapman, MD, Nancy J. Fischbein, MD and Caroline D. Robson, MBChB	10:35 – 10:55	Cranial Nerve V Christine M. Glastonbury, MBBS, MD	
		Please email your cases ahead of time to the panelists at: caroline.robson@childrens.harvard.edu	10:55 – 11:15	Cranial Nerve VII Courtney M. Tomblinson, MD	
	12:00 - 12:55	Lunch On Your Own	11:15 – 11:35	Cranial Nerve VIII John L. Go, MD, FACR	
	12:55 – 1:00	Opening Remarks Caroline D. Robson, MBChB	11:35 – 11:55	Cranial Nerves IX - XI	
		<b>Curriculum/Orbits</b> . Bilaniuk, MD, FACR and Mary E. Cunnane, MD	11:55 – 12:10 PM	Bruno A. Policeni, MD, MBA  Cranial Nerve XII Cynthia Wu, MD	
	1:00 – 1:15	Ocular Anatomy & Developmental Lesions of the Globe Rupa Radhakrishnan, MD, MBBS, MS	12:10 – 12:15	Pearl From My Mentor ◆	
	1:15 – 1:35	Visual Field Defects Asim F. Choudhri, MD	12:15 – 1:15	Lunch On Your Own	
	1:35 – 1:55	Orbital Inflammation Mary E. Cunnane, MD	Session 6 - Crania Moderators: Joseph N	al, Cervical & Mediastinal Nerves M. Aulino, MD and Girish M. Fatterpekar, MBBS, DNB, MD	
	1:55 – 2:15	Orbital Tumors: Rad-Path Correlation Nikdokht Farid, MD	1:15 – 1:30	Denervation Atrophy Wendy R.K. Smoker, MS, MD, FACR	
	2:15 – 2:30	Endoscopic Endonasal Surgery for Orbital Tumors:	1:30 – 1:50	Brachial Plexus MRI Carlos H. Torres, MD, FRCPC	
		What the Surgeon Wants to Know Katherine L. Reinshagen, MD	1:50 – 2:10	Horner Syndrome Deborah L. Reede, MD	
		Curriculum/Sinuses m A. Kennedy, MD and Vijay M. Rao, MD, FACR	2:10 – 3:10	Scientific Paper Session I ♦ Moderators: Laura B. Eisenmenger, MD and Osamu Sakai, MD, Ph	
	2:30 – 2:50	Sinonasal Anatomy Tabassum A. Kennedy, MD	3:10 – 3:30	Refreshment Break and Visit Exhibitors	
	2:50 – 3:10	Complications of Acute Sinusitis Joseph M. Hoxworth, MD	Session 7 - Artific Moderators: Mohit Ag	ial Intelligence & Error Prevention arwal, MD and Ashok Srinivasan, MD	
	3:10 – 3:25	Fungal Disease Eugene Yu, MD, FRCPC	3:30 – 3:50	Fallor Ergo Sum: Misadventures in Head & Neck Imaging Richard H. Wiggins, III, MD, CIIP, FSIIM	
	3:25 - 3:40	Chronic Sinonasal Disease Keivan Shifteh, MD, FACR	3:50 – 4:10	Missed Cases Philip R. Chapman, MD	
	3:40 – 4:10	Refreshment Break and Visit Exhibitors	4:10 – 4:30	Machine Learning: Random Forest, Random Tree Ashok Srinivasan, MD	
		Curriculum/Sinuses & Anterior Skull Base arwal, MD and William P. Dillon, MD	4:30 – 4:50	Deep Learning & Advanced Imaging of Skull Base Tumor Atul K. Mallik, MD	
	4:10 – 4:30	Anterior & Central Skull Base Anatomy: What the Surgeon Wants to Know Jeffrey P. Guenette, MD	4:50 – 5:05	Augmented Reality: Educational & Clinical Applications in Skull Base Imaging  Jesse Courtier. MD	
	4:10 – 4:30 4:30 – 4:50	Anterior & Central Skull Base Anatomy: What the Surgeon Wants to Know Jeffrey P. Guenette, MD Developmental Anomalies & Variants:			
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Friday, October 4,	2019 (continued)
Session 10 - Head Moderators: Alok A. E	d & Neck Top 5: Non-Traumatic Emergencies Phatt, MD and Justin Brucker, MD
9:30 – 9:50	Top 5 Emergencies: Pediatric Airway Timothy N. Booth, MD
9:50 – 10:10	Top 5 Emergencies: Adult Airway Karen A. Tong, MD
10:10 – 10:30	Top 5 Emergencies: Neck Infection Hillary R. Kelly, MD
10:30 – 10:50	Top 5 Emergencies: Temporal Bone Nicholas A. Koontz, MD
10:50 – 11:10	Top 5 Emergencies: Orbit Blair A. Winegar, MD
11:10 – 11:15	Pearl From My Mentor ◆
11:15 – 11:25	2018 William N. Hanafee, MD Research
11.10	Grant Award Presentation ♦ Moderator: Reza Forghani, MD, PhD Recipient: Mai-Lan Ho, MD
11:25 – 12:25 PM	Scientific Paper Session II ♦ Moderators: Anthony M. Alleman, MD, MPH and Jennifer L. McCarty, MD
12:30 - 1:30	Gold Medal Award Luncheon ♦
	Afternoon On Your Own
Saturday, October	5. 2019
7:00 – 7:45 AM	Continental Breakfast for Registrants
Session 11 - SAM	Session III -
Vascular Anomali	ies, Developmental & Neoplastic Lesions*
7:45 – 8:05	Hasso, MD, FACR and Karuna V. Shekdar, MD
7.43 – 6.03	Hemangioma, PHACES & Overgrowth Syndromes Mark D. Mamlouk, MD
8:05 – 8:30	Vascular Malformations Deborah R. Shatzkes, MD
8:30 – 8:50	Benign Lesions of the Head & Neck Bernadette L. Koch, MD
8:50 – 9:10	Malignant Tumors of the Pediatric Head & Neck Karen K. Moeller, MD
9:10 - 9:15	Pearl From My Mentor ◆
9:15 - 9:35	Refreshment Break and Visit Exhibitors
Session 12 - Can	cer Workshop 1
Moderators: Nandita (	Guha-Thakurta, MD and Charles J. Schatz, MD, FACR
9:35 – 9:55	Staging & Why We Do It

Moderators, Mariana	Guna-makuita, MD and Chanes J. Schatz, MD, FACH
9:35 – 9:55	Staging & Why We Do It Patricia A. Hudgins, MD, FACR
9:55 – 10:15	Nasopharyngeal Carcinoma Nancy J. Fischbein, MD
10:15 – 10:35	Oropharyngeal Carcinoma Suresh K. Mukherji, MD, FACR, MBA
10:35 – 10:55	Oral Cavity Carcinoma Hilda E. Stambuk, MD
10:55 – 11:15	Laryngeal & Hypopharyngeal Carcinoma Amy Fan-Yee Juliano, MD
11:15 – 11:35	An Approach to the Unknown Primary Carcinoma Robert E. Morales, MD
11:35 – 11:55	Perineural Tumor Spread Ilona M. Schmalfuss, MD

## 11:55 – 12:00 PM Pearl From My Mentor ♦

12:00 - 1:00 **Lunch On Your Own** 

Session 13 - Cancer Workshop 2		
Madarators: Ali P. Sanahdari, MD and Potor Kalina	$\Lambda \Lambda \Gamma$	1 /

Session 13 - Can Moderators: Ali R. Sej	<b>cer Workshop 2</b> oahdari, MD and Peter Kalina, MD, MBA, FACR
1:00 – 1:20	EBV & Post Transplant Lymphoproliferative Disorder Laurie A. Loevner, MD
1:20 – 1:40	Dual Energy CT Reza Forghani, MD, PhD
1:40 – 2:00	PET Tracers, Artifacts & Pitfalls Elcin Zan, MD
2:00 – 2:20	FDG PET/CT in Head & Neck Cancer Tanya J. Rath, MD
2:20 – 2:40	The Post Treatment Neck / NI-RADS Ashley H. Aiken, MD
2:40 – 3:00	Imaging of Head & Neck Reconstruction FLAPS Amanda S. Corey, MD, FACR
3:00 – 3:20	Complications of Head & Neck Cancer Treatment Lawrence E. Ginsberg, MD
3:20 - 3:35	Refreshment Break

## Saturday, October 5, 2019 (continued)

	e Curriculum/ Glands & Lymph Nodes n Ahmed, MD and Edward E. Kassel, DDS, MD, FACR
3:35 – 3:55	Pediatric Salivary Disease & Neoplasia Asha Sarma, MD
3:55 – 4:15	Adult Salivary Disease & Neoplasia Barry A. Shpizner, MD
4:15 – 4:35	Incidental Thyroid Nodule & Thyroid Cancer Yoshimi Anzai, MD, MPH
4:35 – 4:55	Parathyroid Gland Imaging C. Douglas Phillips, MD, FACR
4:55 – 5:15	Nodal Nomenclature Peter M. Som, MD, FACR, FRSM
5:15 – 5:35	Approach to Pediatric Lymphadenopathy Jennifer A. Vaughn, MD
5:35	End of Session
5:35 - 5:40	Awards Presentations: Scientific Abstracts and Case-of-the-Day Winners ♦
5:40 - 6:10	Annual Business Meeting (ASHNR Members Only) ◆
7:00	Gala at Marshall's Outpost Pavilion

### Sunday, October 6, 2019

7:00 – 7:45 AM	Continental Breakfast for Registrants
	<b>// Session IV - Jaws*</b> Cure, MD and Kristine M. Mosier, DMD, PhD
7:45 – 8:05	Pediatric Jaw Lesions Mai-Lan Ho, MD
8:05 – 8:25	Odontogenic Jaw Lesions Kristine M. Mosier, DMD, PhD
8:25 – 8:45	Non-Odontogenic Jaw Lesions Remy R. Lobo, MD
8:45 – 9:05	Dental Nomenclature & Dental Implants Demystified Dania F. Tamimi, BDS, DMSc
9:05 – 9:25	TMJ Imaging for Head & Neck Radiologists Bidyut K. Pramanik, MD
9:25 - 9:40	Refreshment Break
	<b>// Session V - Core Curriculum/Trauma*</b> B. Gentry, MD, FACR and Vikas Jain, MBBS
9:40 – 10:00	Facial Fractures Barton F. Branstetter, IV, MD, FACR
10:00 - 10:20	3D Computer Generated Imagery Models and Trauma

	<b>// Session V - Core Curriculum/Trauma*</b> B. Gentry, MD, FACR and Vikas Jain, MBBS
9:40 – 10:00	Facial Fractures Barton F. Branstetter, IV, MD, FACR
10:00 – 10:20	3D Computer Generated Imagery Models and Trauma Edward P. Quigley, III, MD, PhD
10:20 – 10:40	Temporal Bone Trauma Daniel W. Williams, III, MD
10:40 – 11:00	latrogenic Trauma Elliott Friedman, MD
11:00 – 11:20	Vascular Complications of Trauma Joshua E. Lantos, MD
11:20 – 11:30	Closing Remarks Caroline D. Robson, MBChB
11:30	End of Meeting

#### INVITED FACULTY / **MODERATORS**

Amit Agarwal, MD

UT Southwestern Medical Center

Mohit Agarwal, MD

Medical College of Wisconsin

Salmaan Ahmed, MD

UT MD Anderson Cancer Center

Ashley H. Aiken, MD

Emory University School of Medicine

Anthony M. Alleman, MD, MPH

University of Oklahoma Health Sciences

Yoshimi Anzai, MD, MPH University of Utah Health Care

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Gregory D. Avey, MD

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Kristen Lloyd Baugnon, MD

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Barton F. Branstetter, IV, MD,

University of Pittsburgh Medical Center

Justin Brucker, MD

University of Wisconsin School of Medicine and Public Health

Philip R. Chapman, MD

University of Alabama Birmingham

Asim F. Choudhri, MD

University of Tennessee Health Science Center

Amanda S. Corey, MD, FACR

Rebecca S. Cornelius, MD, FACR

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Jesse Courtier, MD University of California, San Francisco

Mary E. Cunnane, MD Harvard Medical School

Joel K. Cure, MD

University of Alabama at Birmingham

Hugh D. Curtin, MD, FACR

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University of Washington Medical Center

David R. DeLone, MD

Mayo Clinic

William P. Dillon, MD

University of California, San Francisco

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Nikdokht Farid, MD

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Nancy J. Fischbein, MD

Stanford University School of Medicine

Reza Forghani, MD, PhD

Elliott Friedman, MD

University of Texas Health Science Center at Houston

Lindell R. Gentry, MD, FACR Retired - University of Wisconsin

Lawrence E. Ginsberg, MD The University of Texas MD Anderson

Christine M. Glastonbury, MBBS

University of California, San Francisco

John L. Go, MD, FACR

University of Southern California

Jeffrey P. Guenette, MD

Nandita Guha-Thakurta, MD

University of Texas MD Anderson Cancer Center

Mari Hagiwara, MD

New York University Langone Medical Center

Bronwyn E. Hamilton, MD

Oregon Health & Science University

Anton N. Hasso, MD, FACR

University of California, Irvine Medical Center

Mai-Lan Ho, MD

Nationwide Children's Hospital

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Patricia A. Hudgins, MD, FACR

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Vikas Jain, MBBS

Case Western Reserve University

Amy Fan-Yee Juliano, MD

Harvard Medical School

Peter Kalina, MD, MBA, FACR Mayo Clinic

Edward E. Kassel, DDS, MD, FACR University of Toronto

Hillary R. Kelly, MD

Harvard Medical School

Tabassum A. Kennedy, MD

The University of Wisconsin Madison

Rihan Khan, MD Dartmouth Hitchcock

Claudia F.E. Kirsch, MD

Zucker Hofstra School of Medicine at Northwell

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Nicholas A. Koontz, MD

Indiana University School of Medicine

John I. Lane, MD

Mayo Clinic

Joshua E. Lantos, MD

Weill Cornell Medical College New York Presbyterian Hospital

Luke N. Ledbetter, MD

University of Kansas

Remy R. Lobo, MD

University of Michigan

Laurie A. Loevner, MD

University of Pennsylvania Health System

Atul K. Mallik, MD

University of Utah School of Medicine

Mark D. Mamlouk, MD

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Jennifer L. McCarty, MD

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Daniel E. Meltzer, MD

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Karen K. Moeller, MD

Norton Children's Hospital

Gul Moonis, MBBS 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,

**FACR** Michigan State University Health Team

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Rupa Radhakrishnan, MD, MBBS,

MS Indiana University School of Medicine

Vijay M. Rao, MD, FACR Jefferson Health

Tanya J. Rath, MD Mavo Clinic

Deborah L. Reede, MD

SUNY Downstate Medical Center

Katherine L. Reinshagen, MD Harvard Medical School

Caroline D. Robson, MBChB Boston Children's Hospita

Osamu Sakai, MD, PhD

Boston University Medical Center

Karen L. Salzman, MD University of Utah School of Medicine

Asha Sarma, MD

Vanderbilt University

Charles J. Schatz, MD, FACR Beverly Tower Wilshire Advanced Imaging

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Ashok Srinivasan, MD University of Michigan

Hilda E. Stambuk, MD

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Vanderbilt University Medical Center

Karen A. Tong, MD Loma Linda University Medical Center

Carlos H. Torres, MD, FRCPC University of Ottawa

Jennifer A. Vaughn, MD Phoenix Childrens Hospital

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

University of Utah Health Sciences Center

Daniel W. Williams, III, MD Wake Forest School of Medicine

Blair A. Winegar, MD University of Arizona Health Sciences

Cvnthia Wu. MD Emory University School of Medicine

Eugene Yu, MD, FRCPC Princess Margaret Cancer Centre

University of Toronto Elcin Zan, MD NYU Langone Health

**CASE-OF-THE-DAY** 

PRESENTERS:

Jay Acharya, MD

Paul M. Bunch, MD Camilo Jaimes Cobos, MD

Laura B. Eisenmenger, MD

Jacqueline C. Junn, MD

Eric Liao, MD Jennifer Sommerville, MBBS

Anouk Van der Hoorne, MD

Vivek Yedavalli, MD

2018 WILLIAM N. HANAFEE, **MD RESEARCH GRANT** AWARD RECIPIENT:

Mai-Lan Ho, MD

53<sup>rd</sup> Annual Meeting

## American Society of Head & Neck Radiology

**ASHNR19** 

•					
A late fee of \$75 will be added to any registration postmarked	d after Augus	st 23, 2019.			
ASHNR Member	□ \$625. <sup>00</sup>	Other - Techno	ologist 🚨 Physician Assistant	☐ Military ☐ Retired	<b>\$400</b>
Non-ASHNR Member	□ \$825.00	Retired ASHNR	Member		☐ Free
Members-in-Training ☐ Resident ☐ Fellow ☐ Medical Student	\$350.00		tendees (outside of North Amon meeting registration rates lis		
Mentoring Breakfast	□ Free	☐ Yes, I plan to attend the Opening Reception • Wednesday, October 2, 2019		2, 2019	
Friday, October 4, 2019 • 6:45 – 7:45 AM  Members-in-Training, instructors, and assistant professors are invited to atten Breakfast" on Friday, October 4. Participation in this non-CME session w opportunity to engage in rapid-fire round table discussions with leaders in variety of topics relevant to your early career, and to gain valuable insights from relationships with our outstanding mentors.	will provide the in the field on a	☐ Yes, I plan to attend the Gold Medal Award Luncheon • Friday, October 4, 2019 (You must RSVP to attend, seating is limited.) (Free for ASHNR members; ☐ \$35 for Non-Members) ☐ Vegetarian Option			
SEATING IS LIMITED, REGISTRATION IS REQUIRED. Additional infor	mation will be	(Free for attend	attend the Gala at Marshall's O	utpost Pavilion • Saturda	
provided to those registered.		☐ Guest/Spou Guest Name	use Gala Fee		<b>□</b> \$70
		Guest Name _			
			TOTAL ENCLOSED	:\$	
SECURE CHECKOUT	ERNET ASHNR.org	MAIL Check payable to: ASHNR	c/o Educational Symposia 5620 West Sligh Avenue Tampa, Florida 33634-4490	FAX (813) 806-1001	<b>PHONE</b> (813) 806-1000
Name			Degree ☐ M.D. ☐ D.O.	DDS DMD	Ph.D. • Other
Company / Institution Specialty:   Neuroradiolo	ogy 🗖 Otolaryr	ngology 🗖 Radiation	Oncology  Maxillofacia	al Radiology 🚨 Dentistr	y 🗖 Other
Address			City / State / Zip Code / Cou	untry	
Phone			Email (Required for Electronic Syllabus)		
Card Number / Card Type: ☐ Master Card ☐ Visa ☐ American Express ☐		Expiration Date	Security Code		
Billing Address			City / State / Zip Code / Country		
Cardholder Signature					
Cancellations: Requests for refund of registration fees, less a \$75.00 administ	trative fee, will b	e made to those prov	viding written notification of car	ncellation by August 23,	2019. After this o
there will be no refunds given for cancellations. Please email notice of cancellat					

## The Westin Kierland Resort & Spa

#### ABOUT THE RESORT

The AAA Four Diamond Resort features accommodations that will sooth and stimulate from a full-service spa and world-class golf to award-winning dining and upscale shopping.

A retreat designed to rejuvenate the mind, body and spirit, Agave, The Arizona Spa offers treatments inspired by traditional practices handed down through many of Arizona's native cultures.

Cuisine takes center stage at The Westin Kierland Resort & Spa. The Resort's talented chefs reveal their culinary creativity and vision to offer mouthwatering menus and a tantalizing dining experience in ten unique dining options.

With the spacious guest rooms, the world-renowned Heavenly Bed and White Tea by Westin amenities, you are invited to relax and rejuvenate.

#### **HOW** TO GET THERE

Fly directly to Phoenix Sky Harbor International Airport, located just 25 minutes from The Westin Kierland Resort & Spa. Daily non-stop flights are available within the U.S. and Canada.





SPACE IS LIMITED - RESERVE TODAY: Call Hotel Reservations at (480) 624-1000 or Central Reservations at 800) 354-5892 and reference "ASHNR Annual meeting 2019" to receive the group discount or book online at:

## **Group Room Rates Start At..... \$295.00/nt.** (Single/Double Occupancy)

Additional person (triple/quad rooms for individuals over 18 years of age: \$50 per person.

**HOTEL TAX AND FEES:** 12.57%

**RESORT FEE:** \$29 plus 12.57% tax per room, per day (Optional) - Available at check-in if interested.

Complimentary wireless internet access is available in guestrooms and main lobby area for attendees.

**HOTEL CUT-OFF DATE: SEPTEMBER 3, 2019** - Subject to availability, group rates may be available three (3) days before and three (3) days after the conference.

**DEPOSIT POLICY:** A deposit equal to first night's stay is required to hold each guest's reservation.

**CANCELLATION POLICY:** All cancellations, arrival and departure date changes must be made 7 days or more prior to scheduled arrival date/time and receive a cancellation number to avoid penalties. Check in time is: 4:00 pm; check out time is: 11:00 am.

**HOTEL:** 6902 E. Greenway Parkway **PHONE:** (480) 624-1000

Scottsdale, AZ 85254