48th Annual Meeting
American Society of Head & Neck Radiology
Head and Neck Imaging - Current and Future

September 10 – 14, 2014
Sheraton Seattle Hotel • Seattle, Washington

29.25 AMA PRA Category 1 Credit(s)™

Hands-on US and US-Guided Biopsy Seminar • Friday, September 12, 2014
Separate Registration Required • Registration is Limited • Not accredited for AMA PRA Category 1 Credit(s)™

Call for Abstracts at www.ashnr.org • Deadline: July 18, 2014
From The Program Chair

On behalf of the ASHNR, I invite you to join us in Seattle for the 48th Annual Meeting, "Head and Neck Imaging- Current and Future". I am tremendously honored to serve as the ASHNR Program Chair and it is my pleasure to welcome you to join us in Seattle on September 10-14, 2014.

This year’s meeting will cover every facet of Head and Neck Imaging. The meeting is full of outstanding educational lectures. Speakers will provide 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. As usual, the meeting will begin with the Early Bird Temporal Bone session on Wednesday morning September 10. Pediatric head and neck will be covered throughout the Annual Meeting. We have a new session on “Controversy in Head and Neck Imaging” on the topic of parathyroid imaging, as well as surveillance imaging for head and neck cancer patients.

As in the past, we will offer 3 SAM sessions where you can earn SAM credits toward your MOC. A highlight of the Annual Meeting, The Game Show, will be featured again on Thursday afternoon September 11. The 2013 Hanafee Award presentation is on Wednesday afternoon, which I hope will inspire you to contribute more to the ASHNR Core Curriculum Fund to support research in Head and Neck Imaging.

Seattle is a charming and vibrant city in the Pacific Northwest, surrounded by Puget Sound, the Cascade and Olympic Mountains, and Lake Washington and Lake Union. It is a very friendly city and offers many attractions including, the Space Needle, EMP Museum, Seattle Art Museum, and Seattle Aquarium. You may also cruise throughout Puget Sound, Lake Union or Lake Washington on a tour boat. We invite you to come early or stay through the weekend to extend your trip to San Juan or Orcas Island, Mt. Rainer or Mt. St. Helens, which may be reachable by car or ferry. Seattle offers an amazing quality of seafood, and has a bustling restaurant scene. It is a relaxing and peaceful town.

My first ASHNR meeting was in New Orleans in 1990. Ever since, ASHNR has been a very special organization to me not only professionally but also personally. I have been fortunate to meet many amazing and talented head and neck radiologists through ASHNR.

I sincerely hope that you will attend the ASHNR 48th Annual Meeting. It will be a wonderful educational meeting where you will learn a lot about practical head and neck imaging and enjoy heart-warming friendship and social networking.

Yoshimi Anzai, MD, MPH
President-Elect and Program Chair
American Society of Head and 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 sponsorship 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 29.25 AMA PRA Category 1 Credit(s)™, including 1.5 AMA PRA Category 1 Credit(s)™ for the Early Bird Temporal Bone Session. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Certain sessions of the meeting program will be submitted to the ABR for SAM qualification. The number of SAM credits will be available approximately 21 days prior to the meeting.

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 www.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 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.

• Dental and oral-maxillofacial practitioners with an interest in pathology and imaging of the jaws and adjacent soft tissues.

• Non radiologists, including ENT physicians, head and neck surgeons, medical and radiation oncologists, or 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 or head and neck 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 temporal bone, skull base, suprathyroid neck, and infrahyoid neck.
• Describe the lymphatic drainage and patterns of metastases.
• Review imaging features of nodal 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.
• Apply imaging techniques to address CSF leak and surgeons’ perspective for minimally invasive CSF leak repair.
• Discuss the various image-guided head and neck biopsy techniques.
• Describe the clinical applications and indications of perfusion and diffusion imaging of head and neck tumor.
• Determine the best imaging technique for staging of head and neck cancer.
• 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.
• Evaluate emergent head and neck pathology.

No special educational preparation is required for this CME activity.

CALL FOR ABSTRACTS
CALL FOR ABSTRACTS for both Scientific Papers (oral) and Educational Exhibits (posters), including information, instructions and forms, are available on our website (www.ashnr.org). Deadline for submissions is Wednesday, July 18, 2014.

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, and Professional Travel as the official travel agency for 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, and Professional Travel’s responsibility is limited to that of an agent.
Meeting Program

Wednesday, September 10, 2014
9:00 AM  Registration Opens

10:00 – 11:30  Early Bird Temporal Bone Session

Moderators: Hugh D. Curtin, MD, Patricia A. Hudgins, MD, FACR and Caroline D. Robson, MB, ChB

11:30 – 12:45 PM  Lunch on Your Own

12:50 – 1:00  Welcoming Remarks

Session 1 - Head and Neck Anatomy and Pathology
Moderators: Deborah L. Reede, MD and Karen L. Salzman, MD

1:00 – 1:30  SHN Anatomy I – Parapharyngeal, Masticator, & Parotid Spaces
Christian Davidson, MD

1:30 – 2:00  SHN Anatomy II: Spaces that Cross the Hyoid Divide - Carotid, Retropharyngeal, and Perivertebral Spaces
Karen L. Salzman, MD

2:00 – 2:30  Infrayoid Neck and Thoracic Inlet
Deborah L. Reede, MD

2:30 – 3:00  Imaging of Cervical Lymph Nodes
Ashley Hawk Aiken, MD

3:00 – 3:10  Question and Answer Session
Facuity

3:10 – 3:30  Coffee Break and Visit Exhibitors

Session 2 - Clinical Problem-Related Cranial Nerves
Moderators: C. Douglas Phillips, MD, FACR and Daniel W. Williams, III, MD

3:30 – 3:55  Evaluation of Double Vision
Claudia F.E. Kirch, MD

3:55 – 4:20  Evaluation of Facial Pain
Daniel W. Williams, III, MD

4:20 – 4:45  Evaluation of Facial Paralysis
Jane L. Weiszman, MD, FACR

4:45 – 5:10  Evaluation of Tinnitus
C. Douglas Phillips, MD, FACR

5:10 – 5:35  Evaluation of Hoarseness
Hilda E. Stambuk, MD

5:35 – 5:45  MRI/MRA Fusion Imaging for Vascular Loop Compression Syndromes (Short Presentation)
John L. Go, MD

5:45 – 6:00  2013 William N. Hanafee, M.D.
Research Seed Grant Award Presentation
Moderator: Jenny K. Hoang, MBBS

6:00  End of Session

7:00 AM  Breakfast & Learn How-To Session

Sponsored by Siemens Healthcare USA

Session 3 - Lumps and Bumps in the Head & Neck
Moderators: Marcia Komlos Kukreja, MD and Karen K. Moeller, MD

7:30 – 8:00  Salivary Gland Tumors
Rebecca S. Cornelius, MD, FACR

8:00 – 8:30  Imaging of the Thyroid Mass
Jenny K. Hoang, MBBS

8:30 – 9:00  Pediatric Ocular Lesions and Orbital Masses
Bernadette L. Koch, MD

9:00 – 9:30  Vascular Lesions of the Head & Neck
Deborah R. Shatzkes, MD

Thursday, September 11, 2014

7:00 AM  Breakfast

7:25 – 7:30  Moment of Silence for the 13th Anniversary of the 9/11 Attacks
Roy A. Holliday, MD

9:00 – 9:30  Transorbital CSF Leak Repair
Kris S. Mac, MD, FACS

9:30 – 10:00  Question and Answer Session
Facuity

6:15  Opening Reception

Thursday, September 11, 2014 (Continued)

9:30 – 9:40  Question and Answer Session
Faculty

9:40 – 10:00  Coffee Break and Visit Exhibitors

Session 4 - SAM Session

Head & Neck Cancer Imaging Part 1
Moderators: Ira F. Braun, MD, FACR and Tahaassim A. Kennedy, MD

10:00 – 10:30  Nasopharyngeal Cancer and Patterns of Spread
Christine M. Glazounov, MBBS

10:30 – 11:00  Imaging of Oropharynx Cancer and Implications for Treatment
Robert E. Morales, MD

11:00 – 11:30  Imaging of Oral Cavity Cancer
Kristine M. Mosier, DMD, PhD

11:30 – 12:00 PM  PET-CT and PET-MR in Head & Neck Cancer
Barton F. Branstetter, IV, MD

12:00 – 1:00  Lunch on Your Own

Session 5 - Temporal Bone
Moderators: Caroline D. Robson, MB, ChB and Gul Moonis, MD

1:00 – 1:30  Temporal Bone Anatomy
Hillary R. Kelly, MD

1:30 – 2:00  SNHL and Imaging Workup for Cochlear Implantation
Hugh D. Curtin, MD

2:00 – 2:30  Imaging of Temporal Bone Infection and Inflammation
Joel D. Swartz, MD

2:30 – 3:00  Congenital Hearing Loss
Caroline D. Robson, MB, ChB

3:00 – 3:10  Imaging and Clinicopathological Correlation in H&N SCCA (Short Presentation)
Amanda S. Corey, MD

3:10 – 3:40  Coffee Break and Visit Exhibitors

3:40 – 5:00  Scientific Paper Session I

Moderators: Roy A. Holliday, MD and Ashok Srinivasan, MD

(noted accredited for AMA PRA Category 1 Credit(s)™ or category A CE credits)

5:00 – 6:15  Game Show

Lawrence E. Ginsberg, MD, C. Douglas Phillips, MD, FACR, Brendan R. Shatzkes, MD and Richard H. Wiggins, III, MD, CIIP, FSII

6:15  End of Session

Friday, September 12, 2014

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

Sponsored by Siemens Healthcare USA

(noted accredited for AMA PRA Category 1 Credit(s)™ or category A CE credits)

Session 6 - SAM Session

Skull Base Imaging and Evaluation of CSF Leak
Moderators: Kristen Lloyd Baugnon, MD and Vijay M. Rao, MD, FACR

7:30 – 8:00  Skull Base Anatomy, Anatomic Variants, and “Don’t Touch Me Lesions”
Nancy J. Fischbein, MD

8:00 – 8:30  How to Image the Patient with CSF Leak?
Kristen Lloyd Baugnon, MD

8:30 – 9:00  Skull Base Tumors
Richard H. Wiggins, III, MD, CIIP, FSII

9:00 – 9:30  Transorbital CSF Leak Repair
Kris S. Mac, MD, FACS

9:30 – 9:45  Question and Answer Session
Facuity

9:40 – 10:00  Coffee Break and Visit Exhibitors

Session 7 - Head & Neck Cancer Imaging Part 2
Moderators: Asim F. Choudhri, MD and Lindell R. Gentry, MD, FACR

10:00 – 10:30  Laryngeal Anatomy and Pathology
Amy Fan-Yee Juliano, MD

10:30 – 11:00  The Art of Detecting PNTS – What To Look For
Ilona M. Schmalfuss, MD
Saturday, September 13, 2014 (Continued)

3:40 – 4:00 Coffee Break and Visit Exhibitors

Session 11 - All About the Face

Moderators: David R. DeLone, MD and Michelle A. Michel, MD

4:00 – 4:25 Maxillofacial Developmental Lesions
Susan I. Blaser, MD, FRCPC

4:25 – 4:50 Imaging of Jaw Lesions
Lisa J. Koenig, BS, JD, DDS, MS

4:50 – 5:10 Imaging of Cosmetics Procedures – What We Can See
Charles J. Schatz, MD, FACR

5:10 – 5:30 Complications of Dental Implants – What To Look For?
James J. Abrahams, MD

5:30 – 5:40 Otosclerosis and Dysplasia of the Temporal Bone
Osamu Sakai, MD, PhD

5:40 – 6:00 Award Announcements - Case of the Day, Exhibits and Oral Presentation
Caroline D. Bohum, MB, ChB

6:00 End of Session

7:00 Gala at Chihuly Garden and Glass
(Buses begin departing at 6:30 PM from the hotel)

Sunday, September 14, 2014

7:00 AM Breakfast

Session 12 - SAM Session

Emergent Head & Neck Imaging

Moderators: Michele H. Johnson, MD and Micheal Krasnokutsky, MD

7:30 – 7:55 Opportunistic Infections in the Immunocompromised Patient
Bronwyn E. Hamilton, MD

7:55 – 8:20 Pediatric Emergencies
Karuna V. Shukla, MD

8:20 – 8:45 Carotid Dissection, Compression and Blow Out - Diagnosis and Management
Michele H. Johnson, MD

8:45 – 9:10 Imaging of Ocular and Orbital Injuries
Roberta W. Dalton, MD

9:10 – 9:20 Question and Answer Session
Faculty

9:20 – 9:40 Coffee Break and Visit Exhibitors

Session 13 - Pearls of Wisdom in Head & Neck Imaging

Moderators: Yoshimi Anzai, MD, MPH and Charles J. Schatz, MD, FACR

9:40 – 10:10 Avoiding Errors in Head and Neck Cancer Imaging: A Personal Journey
Lawrence E. Ginsberg, MD

10:10 – 10:35 Practical Approach for the Brachial Plexus Pathology
Karen K. Maravilla, MD

10:35 – 11:00 ASHNR Presidential Address - Head & Neck Radiology – Past, Present, and Future
Yoshimi Anzai, MD, MPH

11:00 – 11:25 Accountable Care Organization – Impact on Radiology Practice
Norman J. Beauchamp, Jr., MD, MHS

11:25 – 11:55 Are You Ready for the MOC? Unknown Head & Neck Case Review – Part 2
Karen A. Tong, MD

11:55 – 12:00 PM Closing Remarks

12:00 End of Course

* These SAM sessions will be submitted to the ABR for approval and are subject to change.

Faculty & topics subject to change.
## FACULTY / MODERATORS

<table>
<thead>
<tr>
<th>Speaker Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>James J. Abrahams, MD</td>
<td>Yale University School of Medicine</td>
</tr>
<tr>
<td>Ashley Hawk Aiken, MD</td>
<td>Emory University School of Medicine</td>
</tr>
<tr>
<td>Yoshimi Anzai, MD, MPH</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Kristen Lloyd Baugnon, MD</td>
<td>Emory University School of Medicine</td>
</tr>
<tr>
<td>Norman J. Beauchamp, Jr., MD, MHS</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Susan I. Blaser, MD, FRCP(C)</td>
<td>University of Toronto</td>
</tr>
<tr>
<td>Ari M. Blitz, MD</td>
<td>Johns Hopkins Hospital</td>
</tr>
<tr>
<td>Barton F. Branstetter, IV, MD</td>
<td>University of Pittsburgh Medical Center</td>
</tr>
<tr>
<td>Ira F. Braun, MD, FACR</td>
<td>Herbert Wertheim College of Medicine, Florida International University</td>
</tr>
<tr>
<td>Philip R. Chapman, MD</td>
<td>University of Alabama Birmingham</td>
</tr>
<tr>
<td>Asim F. Choudhri, MD</td>
<td>University of Tennessee Health Science Center</td>
</tr>
<tr>
<td>Amanda S. Corey, MD</td>
<td>Emory University</td>
</tr>
<tr>
<td>Rebecca S. Cornelius, MD, FACR</td>
<td>University of Cincinnati Medical Center</td>
</tr>
<tr>
<td>Hugh D. Curtin, MD</td>
<td>Harvard Medical School</td>
</tr>
<tr>
<td>Roberta W. Dalley, MD</td>
<td>University of Washington</td>
</tr>
<tr>
<td>H. Christian Davidson, MD</td>
<td>University of Utah School of Medicine</td>
</tr>
<tr>
<td>David R. DeLone, MD</td>
<td>Mayo Clinic</td>
</tr>
<tr>
<td>William P. Dillon, MD</td>
<td>UCSF Medical Center</td>
</tr>
<tr>
<td>Nancy J. Fischbein, MD</td>
<td>Stanford University School of Medicine</td>
</tr>
<tr>
<td>Neal Futran, MD, DMD</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Lindell R. Gentry, MD, FACR</td>
<td>University of Wisconsin School of Medicine and Public Health</td>
</tr>
<tr>
<td>Lawrence E. Ginsberg, MD</td>
<td>The University of Texas MD Anderson Cancer Center</td>
</tr>
<tr>
<td>Christine M. Glastonbury, MBBS</td>
<td>University of California, San Francisco</td>
</tr>
<tr>
<td>John L. Go, MD</td>
<td>University of Southern California</td>
</tr>
<tr>
<td>Bronwyn E. Hamilton, MD</td>
<td>Oregon Health and Science University</td>
</tr>
<tr>
<td>Jenny K. Hoang, MBBS</td>
<td>Duke University Medical Center</td>
</tr>
<tr>
<td>Patricia A. Hudgins, MD, FACR</td>
<td>Emory University School of Medicine</td>
</tr>
<tr>
<td>Michele H. Johnson, MD</td>
<td>Yale University School of Medicine</td>
</tr>
<tr>
<td>Amy Fan-Yee Juliano, MD</td>
<td>Harvard Medical School</td>
</tr>
<tr>
<td>Edward E. Kassel, MD</td>
<td>Mt. Sinai Hospital</td>
</tr>
<tr>
<td>Hillary R. Kelly, MD</td>
<td>Harvard Medical School</td>
</tr>
<tr>
<td>Tabassum A. Kennedy, MD</td>
<td>The University of Wisconsin Madison</td>
</tr>
<tr>
<td>Rihan Khan, MD</td>
<td>University of Arizona Medical Center</td>
</tr>
<tr>
<td>Claudia F.E. Kirsch, MD</td>
<td>The Ohio State University College of Medicine</td>
</tr>
<tr>
<td>Bernadette L. Koch, MD</td>
<td>Cincinnati Children’s Hospital</td>
</tr>
<tr>
<td>Lisa J. Koenig, BChD, DDS, MS</td>
<td>Marquette University School of Dentistry</td>
</tr>
<tr>
<td>Michael Krasnokutsky, MD</td>
<td>Madigan Army Medical Center</td>
</tr>
<tr>
<td>Laurie A. Loewner, MD</td>
<td>Hospital of the University of Pennsylvania</td>
</tr>
<tr>
<td>Marcia Komlos Kukreja, MD</td>
<td>Cincinnati Children’s Hospital</td>
</tr>
<tr>
<td>Kenneth R. Maravilla, MD</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Michelle A. Michel, MD</td>
<td>Medical College of Wisconsin</td>
</tr>
<tr>
<td>Kris S. Moe, MD, FACS</td>
<td>University of Washington School of Medicine</td>
</tr>
<tr>
<td>Karen K. Moeller, MD</td>
<td>Kosair Children’s Hospital</td>
</tr>
<tr>
<td>Gul Moonis, MD</td>
<td>Harvard Medical School</td>
</tr>
<tr>
<td>Kristine M. Mosier, DMD, PhD</td>
<td>Indiana University School of Medicine</td>
</tr>
<tr>
<td>C. Douglas Phillips, MD, FACR</td>
<td>NewYork Presbyterian Hospital</td>
</tr>
<tr>
<td>Vijay M. Rao, MD, FACR</td>
<td>Thomas Jefferson University Hospital</td>
</tr>
<tr>
<td>Deborah L. Reede, MD</td>
<td>SUNY Downstate Medical Center</td>
</tr>
<tr>
<td>Caroline D. Robson, MB, ChB</td>
<td>Harvard Medical School</td>
</tr>
<tr>
<td>Osamu Sakai, MD, PhD</td>
<td>Boston University School of Medicine</td>
</tr>
<tr>
<td>Karen L. Salzman, MD</td>
<td>University of Utah School of Medicine</td>
</tr>
<tr>
<td>Charles J. Schatz, MD, FACR</td>
<td>Beverly Tower Wilshire Advanced Imaging</td>
</tr>
<tr>
<td>Ilona M. Schmalfuss, MD</td>
<td>University of Florida School of Medicine</td>
</tr>
<tr>
<td>Deborah R. Shatzkes, MD</td>
<td>Lenox Hill Hospital</td>
</tr>
<tr>
<td>Karuna V. Shekdar, MD</td>
<td>The Children’s Hospital of Philadelphia</td>
</tr>
<tr>
<td>Peter M. Som, MD, FACR, FRSM</td>
<td>The Ichan School of Medicine at Mount Sinai</td>
</tr>
<tr>
<td>Ashok Srivivasan, MD</td>
<td>University of Michigan Health System</td>
</tr>
<tr>
<td>Hilda E. Stambuk, MD</td>
<td>Memorial Sloan-Kettering Cancer Center</td>
</tr>
<tr>
<td>Joel D. Swartz, MD</td>
<td>Germantown Imaging Associates</td>
</tr>
<tr>
<td>Lawrence N. Tanenbaum, MD, FACR</td>
<td>Mount Sinai School of Medicine</td>
</tr>
<tr>
<td>Karen A. Tong, MD</td>
<td>Loma Linda University Medical Center</td>
</tr>
<tr>
<td>Jane L. Weissman, MD, FACR</td>
<td>Oregon Health and Science University</td>
</tr>
<tr>
<td>Richard H. Wiggins, III, MD, CIIP, FSIM</td>
<td>University of Utah Health Sciences Center</td>
</tr>
<tr>
<td>Daniel W. Williams, III, MD</td>
<td>Wake Forest University School of Medicine</td>
</tr>
</tbody>
</table>

### MODERATORS FOR AN UNACCREDITED SESSION

<table>
<thead>
<tr>
<th>Speaker Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joel K. Cure</td>
<td>MD</td>
</tr>
<tr>
<td>Girish M. Fatterpek, MBBS, DNB, MD</td>
<td>Roy A. Holliday, MD</td>
</tr>
</tbody>
</table>

### CASE-OF-THE-DAY POSTER PRESENTERS

<table>
<thead>
<tr>
<th>Speaker Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amanda S. Corey, MD</td>
<td>Joel K Cure, MD</td>
</tr>
<tr>
<td>Carol P. Geer, MD</td>
<td>John L. Go, MD</td>
</tr>
<tr>
<td>Nandita Guha-Thakurta, MD</td>
<td>Hillary R. Kelly, MD</td>
</tr>
<tr>
<td>Marcia Komlos Kukreja, MD</td>
<td>Kim O. Learned, MD</td>
</tr>
<tr>
<td>Karen K. Moeller, MD</td>
<td>Gul Moonis, MD</td>
</tr>
<tr>
<td>Hiroya Ojiri, MD</td>
<td>Hiroya Ojiri, MD</td>
</tr>
<tr>
<td>Sun-Won Park, MD</td>
<td>Daniel W. Williams, III, MD</td>
</tr>
<tr>
<td>Osamu Sakai, MD, PhD</td>
<td>Dania F. Tamimi, BDS, DMSc</td>
</tr>
</tbody>
</table>

### 2013 WILLIAM N. HANAFEE, MD RESEARCH SEED GRANT AWARD PRESENTER

<table>
<thead>
<tr>
<th>Speaker Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jenny K. Hoang, MBBS</td>
<td>2013 William N. Hanafee, MD Research Seed Grant Award Presenter</td>
</tr>
</tbody>
</table>
Hands-on US and US-Guided Biopsy Seminar  
Friday, September 12, 2014
Separate Registration Required • Registration is Limited
(Not accredited for AMA PRA Category 1 Credit(s)™)

Please Select The Time You Wish To Attend:
- SESSION 1: 1:30 PM - 2:30 PM
- SESSION 2: 2:30 PM - 3:30 PM

TOTAL ENCLOSED

4 Easy Ways To Register

We Accept
- WePay
- VISA
- American Express
- Master Card
- Discover

INTERNET
www.ASHNR.org

MAIL
Check payable to:
ASHNR
c/o Educational Symposia
5620 West Sligh Avenue
Tampa, Florida 33634-4490

FAX
(800) 344-0668
(813) 806-1001

PHONE
(800) 338-5901
(813) 806-1000

Name

Company / Institution

Address

Phone

Card Number / Card Type:
- Master Card
- Visa
- American Express
- Discover

Exp. Date

Security Code

Guest/Spouse Gala Fee

Saturday, September 13, 2014
Yes, I plan to attend the Gold Medal Award Luncheon
Friday, September 12, 2014

Vegetarian Option

(For attendees: guests additional)

Guest Name

Cancellation Signature

Cancellations: Request for refund of registration fees, less a $75.00 administrative fee, will be made to those providing written notification of cancellation by August 31, 2014. After that date, there will be no refunds given for cancellations. Please email notification of cancellation to: lsessa@edusymp.com or fax to 800-344-0668.

ABOUT THE HOTEL
Situated in the city’s vibrant core, the Sheraton Seattle Hotel provides a gateway to the diverse sights and sounds of the Pacific Northwest. Simply step out our front doors to find gourmet food, exciting entertainment, and world-class shopping.

Seattle offers all the delights of an international city, from museums and theaters to outstanding recreational opportunities. Rent a kayak to explore Lake Union’s famous houseboats, visit majestic Mount Rainier, or sample authentic Seattle coffee. Contact our concierge to learn more about what’s going on right now in and around the city.

Overnight guests enjoy complimentary access to the heated indoor pool in our fitness center. This 35th-floor facility allows spectacular natural sunlight and dazzling views of Puget Sound, Lake Union, and the Olympic and Cascade Mountain ranges. Settle into the stylish comfort of one of our 1,236 smoke-free guest rooms, offering breathtaking views of the Emerald City.

HOW TO GET THERE
Fly directly to Seattle-Tacoma International located just 25-minutes south of Sheraton Seattle Hotel - up to 35 minutes on a busy freeway day. Daily non-stop flights are available to Seattle for major national and international carriers.

Sheraton Seattle Hotel

Group Room Rates Start At..............$209.00/nt.
(Single/Double Occupancy)
There is a $25 per person charge over double occupancy. Triple and Quad are separate rates.

Room Preference:
- King bed
- Two double beds
- Smoke Free Property

SPACE IS LIMITED - RESERVE TODAY: Call Sheraton Seattle Hotel Reservations at: 888-627-7056 or book online at: https://www.starwoodmeeting.com/Book/ashnrseattle2014.