The Foundation of the ASNR Symposium 2015:
Skull Base: Bridging the Gap between Head and Spine

Powerpoint Presentations

Acknowledgment of Commercial Support
Bayer HealthCare
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Program Committee

Laurie A. Loevner, MD

ASNR 2015 Program Chair/President Elect

Yoshimi Anzai, MD, MPH
Nafi Aygun, MD
Robert M. Barr, MD, FACR
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John L. Go, MD
Andrei I. Holodny, MD
Michael S. Huckman, MD
Patricia A. Hudgins, MD
Thierry A.G.M. Huisman, MD
Tabassum A. Kennedy, MD
Mehmet Kocak, MD
Bernadette L. Koch, MD

Kim O. Learned, MD
Malisa Lester, MD
Joel R. Meyer, MD
Philip M. Meyers, MD
David J. Mikulis, MD
Gul Moonis, MB, BS
Suresh K. Mukherji, MD, FACR, MBA
Tina Young Poussaint, MD
Bryan A. Pukenas, MD
Caroline D. Robson, MB, ChB
Howard A. Rowley, MD
Karen L. Salzman, MD
Pina C. Sanelli, MD, MPH, FACR
Erin Simon Schwartz, MD
Gordon K. Sze, MD, FACR
Raymond K. Tu, MD, FACR
Arastoo Vossough, PhD, MD
Max Wintermark, MD
David M. Yousem, MD, MBA
The Foundation of the ASNR Scientific Symposium 2015: Skull Base: Bridging the Gap between Head and Spine
Saturday, April 25 – Sunday, April 26

The 2015 ASNR annual meeting focuses on building bridges to fill in the gaps: bridges to our referring physicians, bridges to our patients, and bridges among neuroimaging and bioinformatics, genomics, and other emerging fields including evolving “cutting edge surgical techniques”.

The 2015 weekend Symposium features world-renowned speakers discussing the skull base — “bridging the gap between the head and the spine.” The program will open with a talk on Leonardo da Vinci and the origins of skull base imaging. It will cover the development and function of the cranial nerves using a symptom-based approach replicating the experience in our reading rooms. Trans-nasal and trans-oral operative techniques at the skull base that have revolutionized the role of neuroimaging and redefined “resectability” will be highlighted, including endoscopic and robotic approaches among others. Renowned ENT and neurosurgeons will illustrate their perspectives through state-of-the-art intraoperative footage. Timely sessions on the posterior fossa and foramen magnum, vascular lesions at the skull base, and central hypotension and idiopathic hypertension will also be front-line and center.

Enjoy the contents within as we take you to new horizons!

Laurie A. Loevner, MD
ASNR 2015 Program Chair/President-Elect
Nafu Aygun, MD  
Johns Hopkins University  
High Resolution MRI for Clinical Problem Solving at the Skull Base

Minerva Becker, MD  
Geneva University Hospital  
Evaluating Hoarseness: Vocal Cord Paralysis

Rita G. Bhatia, MBBS, MD  
Jackson Memorial Hospital/University of Miami Miller School of Medicine  
The Role of Imaging for Endoscopic Approaches from the Surgeon’s Perspective

Ari M. Blitz, MD  
Johns Hopkins Hospital  
Sub-millimetric High Resolution Skull Base Imaging: Pre-and Post-Contrast CISS

Jan W. Casselman, MD, PhD  
AZ Sint-Jan Brugge – Oostende av  
Evaluating Pulsatile Tinnitus

Mary E. Cunnane, MD  
Massachusetts Eye and Ear Infirmary  
Facial Reanimation Surgery and Relevant Imaging for Rehabilitation

Hugh D. Curtin, MD, FACR  
Massachusetts Eye and Ear  
Last But Not Least: Cranial XI and XII

William P. Dillon, MD  
University of California, San Francisco  
Intracranial Hypotension: Diagnosis, Treatment, and Complications

Nancy J. Fischbein, MD  
Stanford University  
The Patient with Glassopharyngeal Neuralgia

Gary L. Gallia, MD, PhD, Director of Neurosurgery Skull Base Center John Hopkins University  
John Hopkins School of Medicine  
Endoscopic Pituitary and Cavernous Sinus Surgery

Lawrence E. Ginsberg, MD  
MD Anderson Cancer Center  
Get Off My Nerves: Perineural Neoplasia

Christine M. Glastonbury, MBBS  
University of California, San Francisco  
Demystifying Trigeminal Neuralgia: Classic vs. Symptomatic

Ehab Y. Hanna, MD, FACS  
Medical Director of the Head and Neck Cancer Center MDA, Past President North American Skull Base Society  
The University of Texas/MD Anderson Cancer Center  
Endoscopic Resection of Sinonasal Neoplasia

Endoscopic Reconstruction of the Skull Base: NSF, In-lay and On-lay

Patricia A. Hudgins, MD, FACR  
Emory University, School of Medicine  
Modern Imaging Evaluation of CSF Leaks

Robert W. Hurst, MD  
Hospital of University of Pennsylvania  
Evaluation and Treatment of Vascular Lesions at the Skull Base

Tabassum A. Kennedy, MD  
University of Wisconsin-Madison  
Modern Imaging Evaluation of Visual Loss

Claudia F.E. Kirsch, MD  
Ohio State University Medical Center  
Evaluating the Patient with Diplopia

Kim O. Learned, MD  
University of Pennsylvania  
Imaging Evaluation of Nasoseptal Flaps and Skull Base Reconstruction

John Y.K. Lee, MD  
Director, PENN Gamma Knife, Neurosurgery  
University of Pennsylvania  
Fully Endoscopic Surgery of the Cerebello-pontine Angle and Posterior Lesions

NOTE: Not all presenters have submitted Powerpoint Presentations.
The Foundation of the ASNR Scientific Symposium 2015 Faculty

as of 4/6/2015

NOTE: Not all presenters have submitted Powerpoint Presentations.

Timothy H. Lucas Jr., MD, PhD
Director, Translational Neuromodulation Laboratory, Department of Neurosurgery, University of Pennsylvania
“Transorbital Endoscopic Amygdalohippocampectomy: A Feasibility Investigation” Chen HI, Bohman LE, Loevner LA, Lucas TH. Journal of Neurosurgery 2014; 120

Kris S. Moe, MD, FACS
Chief, Division of Facial Plastic and Reconstructive Surgery, University of Washington School of Medicine
Transorbital Skull Base Surgery and CSF Leak Repair

Sugoto Mukherjee, MD
University of Virginia Health System
Evaluating Hemifacial Spasm

Suresh K. Mukherji, MD, MBA, FACR
Michigan State University
Leonardo DaVinci and the Origins of Skull Base Imaging

Karin M. Muraszko, MD
Chair and Julian T. Hoff, Professor, Neurological Surgery, University of Michigan
University of Michigan
CSF Flow and Chiari Malformations: Options for Decompression

Anne G. Osborn, MD
University of Utah, Medical Center
Unraveling the Maddening Mystery of Pseudotumor Cerebri

C. Douglas Phillips, MD, FACR
Weill Cornell Medical College/ NY Presbyterian
Normal Variants and Pitfalls in Skull Base Imaging

Deborah L. Reede, MD
SUNY Downstate Medical Center
Assessing the Patient with Horner’s Syndrome

Caroline D. Robson, MB, ChB
Boston Children’s Hospital
Cranial Nerve Imaging in Genetic Disorders: Dysinnervation and Deficiency Syndromes

Karen L. Salzman, MD
University of Utah, Medical Center
Unraveling the Maddening Mystery of Pseudotumor Cerebri

Ilona M. Schmalfuss, MD
NF/SG Veterans Administration and University of Florida
Sinonasal and Skull Base Neoplasia: Imaging for Endoscopic Resectability

Lubdha M. Shah, MD
University of Utah
Trauma at the Craniovertebral Junction: 3D Space – Don’t Lose Your Head

Ashok Srinivasan, MD
University of Michigan Health System
Tips and Tricks for Diffusion In The Skull Base

Joel D. Swartz, MD
GIA
Acute Hearing Loss and Non-Pulsatile Tinnitus

Jason F. Talbott, MD, PhD
University of California, San Francisco
Rings and Pillars: An Organized Approach to Development and Variants at the Craniovertebral Junction

Charles “Chip” Truwit, MD
Hennepin County Medical Center
Imaging to Determine Endoscopic Resectability of Sellar and Parasellar Masses: What the Radiologist Must Know

Richard H. Wiggins, III, MD
University of Utah
Imaging Surveillance after Endoscopic Skull Base Resection

David M. Yousem, MD, MBA
John Hopkins Medical Institution
Functional Imaging of Olfaction
Accreditation Statement
The American Society of Neuroradiology is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The American Society of Neuroradiology takes responsibility for the content, quality, and scientific integrity of the CME activity.

Credit Designation Statement
The American Society of Neuroradiology designates this live activity for a maximum of 15.75 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Target Audience
The Foundation of the ASNR Symposium 2015 “The Skull Base” will focus on anatomy and advanced imaging techniques at the skull base, the development and function of the cranial nerves using a symptom-based approach replicating the experience in our reading rooms, innovative surgical techniques that have redefined respectability and the role of neuroradiology, the posterior fossa, and the craniocervical junction. The target audience includes all neuroradiologists, radiologists with an interest in skull base, neurosurgeons, ENT surgeons, oncologists, and other related health care specialists.

Objectives
• Review the development and function of the cranial nerves using symptom — based approaches.
• Analyze Genetic Disorders.
• Evaluate Dysphagia, Dysarthria, Hoarseness and Ptosis.
• Illustrate pathophysiology and treatment of facial pain and spasm.
• Discuss advanced MR techniques for evaluating skull base and cranial nerve pathology.
• Provide tools for clinical problem solving at the skull base.
• Focus on practicing safe neuroradiology that is quality and outcome driven.
• Preparing neuroradiologists for their increasing involvement in decision making, treatment planning, and direct interaction with patients.
• Improve patient and patient caregiver knowledge about the role Neuroradiologists play in their diagnosis and long-term care.
These presenters have disclosed the following conflicts of interest (COI) which have been resolved by limiting data to applicable results.

All submitted research and presentation materials were reviewed by the program chair and/or member of the program committee.

Ari M. Blitz, MD
Institutional payment for services, such as research or salary support, greater than $5000 from Aesculap in Salary support and hydrocephalus project and from NIH in salary support and Individual payment for services, such as acting as a consultant or speaker for industry in the amount less than $4999 from Siemens, honorarium for a talk.
• RESOLUTION: speaker was limited to data applicable to results

Jan W. Casselman, MD, PhD
Individual payment for services, such as acting as a consultant or speaker for industry $0-$4999 from Philips Healthcare (speaker visitors) NewTom, Equipment, speaker) and GE (speaker) and Royalties, such as use of patented item or publication, such as a textbook, $0-$4999 from Lavoisier Publisher, France
• RESOLUTION: speaker was limited to data applicable to results

Christine M. Glastonbury, MBBS
Royalties, such as use of patented item or publication, such as a textbook. Greater than $5000 from Amirsys, Inc and Ownership interests, such as stock or stock options in privately held or start up companies or in publicly traded companies in entities directly and primary related to Neuroradiology, greater than $5000 from Amirsys, Inc (on the past)
• RESOLUTION: speaker was limited to data applicable to results

Kris S. Moe, MD, FACS
Ownership interests, such as stock or stock options in privately held or start up companies in entities directly and primary related to Neuroradiology, $0 -$4999 from Spi Surgical, LLC
• RESOLUTION: speaker was limited to data applicable to results

Anne G. Osborn, MD
Individual payment for services, such as acting as a consultant or speaker for industry, greater than $5000 from Elsevier and Royalties, such as use of patented item or publication, such as a textbook, greater that $5000 from Amirsys and Elsevier
• RESOLUTION: speaker was limited to data applicable to results

Charles “Chip” Truwit, MD
Individual payment for services, such as acting as a consultant or speaker for industry, $0-$4999 from Philips Healthcare
• RESOLUTION: speaker was limited to data applicable to results

Claudia F.E. Kirsch, MD
Royalties, such as use of patented item or publication, such as a textbook, $0-$4999 from Primal Pictures 3D-Anatomy - Informa
• RESOLUTION: speaker was limited to data applicable to results

John Y.K. Lee, MD
Institutional payment for a research grant, greater that $5000 from Karl Storz
• RESOLUTION: speaker was limited to data applicable to results
Disclosure Statements

Nothing to Disclose

Nafu Aygun, MD
Minerva Becker, MD
Rita G. Bhatia, MBBS, MD
Mary E. Cunnane, MD
Hugh D. Curtin, MD, FACR
William P. Dillon, MD
Nancy J. Fischbein, MD
Gary L. Gallia, MD, PhD
Lawrence E. Ginsberg, MD
Ehab Y. Hanna, MD, FACS

Patricia A. Hudgins, MD, FACR
Robert W. Hurst, MD
Tabassum A. Kennedy, MD
Kim O. Learned, MD
Timothy H. Lucas Jr., MD, PhD
Sugoto Mukherjee, MD
Suresh K. Mukherji, MD, FACR, MBA
Karin M. Muraszko, MD
C. Douglas Phillips, MD, FACR
Deborah L. Reede, MD

Caroline D. Robson, MB, ChB
Karen L. Salzman, MD
Ilona M. Schmalfuss, MD
Lubdha M. Shah, MD
Ashok Srinivasan, MD
Joel D. Swartz, MD
Jason F. Talbott, MD, PhD
Richard H. Wiggins, III, MD
David M. Yousem, MD, MBA
# The Foundation of the ASNR Scientific Symposium 2015:
Skull Base: Bridging the Gap Between Head and Spine

<table>
<thead>
<tr>
<th>Saturday, April 25, 2015</th>
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<tbody>
<tr>
<td><strong>6:30am–8:00am</strong></td>
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<tr>
<td><strong>Location: BP</strong></td>
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<tr>
<td><strong>7:40am –9:10am</strong></td>
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<tr>
<td><strong>Skull Base Anatomy Inside-Out: Tips and Tricks</strong></td>
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<tr>
<td><strong>Moderators: R. Nick Bryan, MD, PhD; Pejman J. Maralani, MD</strong></td>
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<tr>
<td><strong>7:40am–7:45am</strong></td>
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<tr>
<td><strong>Laurie A. Loevner, MD</strong></td>
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<td><strong>7:45am–8:05am</strong></td>
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<tr>
<td><strong>Suresh K. Mukherji, MD, MBA, FACR</strong></td>
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<td><strong>8:05am–8:25am</strong></td>
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<td><strong>C. Douglas Phillips, MD, FACR</strong></td>
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<td><strong>8:25am–8:50am</strong></td>
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<td><strong>Ashok Srinivasan, MD</strong></td>
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<td><strong>8:50am–9:10am</strong></td>
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<tr>
<td><strong>Rita G. Bhatia, MBBS, MD</strong></td>
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<td><strong>9:10am–9:45am</strong></td>
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<tr>
<td><strong>Location: BP</strong></td>
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<thead>
<tr>
<th>Saturday, April 25, 2015</th>
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<tbody>
<tr>
<td><strong>SY2 – Location: SB I-V</strong></td>
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<tr>
<td><strong>9:45am –11:50am</strong></td>
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<tr>
<td><strong>Moderators: Anton N. Hasso, MD, FACR; Bruce H. Braffman, MD; Jacqueline A. Bello, MD, FACR</strong></td>
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<tr>
<td><strong>9:45am–10:05am</strong></td>
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<td><strong>Charles “Chip” Truwit, MD</strong></td>
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<td><strong>10:05am–10:30am</strong></td>
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<tr>
<td><strong>Gary L. Gallia, MD, PhD, Director of Neurosurgery Skull Base Center John Hopkins University</strong></td>
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<tr>
<td><strong>10:30am–10:50am</strong></td>
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<tr>
<td><strong>Ilona M. Schmalfuss, MD</strong></td>
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<td><strong>10:50am–11:05am</strong></td>
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<tr>
<td><strong>Ehab Y. Hanna, MD, FACS, Medical Director of the Head and Neck Cancer Center MDA, Past President North American Skull Base Society</strong></td>
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<tr>
<td><strong>11:05am–11:15am</strong></td>
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<tr>
<td><strong>Ehab Y. Hanna, MD, FACS</strong></td>
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<td><strong>11:15am–11:30am</strong></td>
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<td><strong>Kim O. Learned, MD</strong></td>
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<td><strong>11:30am–11:50am</strong></td>
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<tr>
<td><strong>Richard H. Wiggins, III, MD</strong></td>
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<tr>
<td><strong>10:30am–1:30pm</strong></td>
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<td><strong>Location: BP</strong></td>
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</table>

**Room Key**
- SB I-V Sheraton Ballroom I-V
- BP Ballroom Promenade
### The Foundation of the ASNR Scientific Symposium 2015:
Skull Base: Bridging the Gap Between Head and Spine

#### Saturday, April 25, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>SY3 – Location: SB I-V</th>
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<tbody>
<tr>
<td>1:15pm–2:15pm</td>
<td><strong>Get On My Nerves: Smell, Taste and Sight Unseen (Cranial Nerves I &amp; II)</strong></td>
</tr>
<tr>
<td>1:15pm–1:35pm</td>
<td>Moderators: Michael S. Huckman, MD; Mary H. Scanlon, MD, FACR</td>
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<tr>
<td>1:35pm–1:55pm</td>
<td>Functional Imaging of Olfaction</td>
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<tr>
<td>1:55pm–2:15pm</td>
<td>David M. Yousem, MD, MBA</td>
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<tr>
<td>2:15pm–2:35pm</td>
<td>Modern Imaging Evaluation of Visual Loss</td>
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<td>2:35pm–2:45pm</td>
<td>Tabassum A. Kennedy, MD</td>
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<tr>
<td>2:45pm–3:05pm</td>
<td>Evaluating the Patient with Diplopia</td>
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<tr>
<td>3:05pm–3:25pm</td>
<td>Claudia F.E. Kirsch, MD</td>
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<tr>
<td>3:25pm–3:45pm</td>
<td>Questions &amp; Answers</td>
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<tr>
<td>4:05pm–4:30pm</td>
<td><strong>Get On My Nerves: Get on My Nerves: Facial Pain and Twitches</strong></td>
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<td>Moderators: Erin S. Schwartz, MD; Yvonne W. Lui, MD</td>
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<tr>
<td>4:05pm–4:30pm</td>
<td>Demystifying Trigeminal Neuralgia: Classic vs. Symptomatic</td>
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<td></td>
<td>Christine M. Glastonbury, MBBS</td>
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<tr>
<td>5:05pm–5:25pm</td>
<td>Evaluating Hemifacial Spasm</td>
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<td>5:25pm–5:45pm</td>
<td>Sugoto Mukherjee, MD</td>
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<tr>
<td>5:45pm–6:05pm</td>
<td>Facial Reanimation Surgery and Relevant Imaging for Rehabilitation</td>
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<td>Mary E. Cunnane, MD</td>
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<tr>
<td>6:05pm–6:25pm</td>
<td>Get Off My Nerves: Perineural Neoplasia</td>
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<td>Lawrence E. Ginsberg, MD</td>
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</tbody>
</table>

#### SY5 – Location: SB I-V

<table>
<thead>
<tr>
<th>Time</th>
<th><strong>Get On My Nerves: Ringing In The Ears And Advanced Techniques</strong></th>
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<tbody>
<tr>
<td>4:30pm–4:55pm</td>
<td>Evaluating Pulsatile Tinnitus</td>
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<td></td>
<td>Jan W. Casselman, MD, PhD</td>
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<tr>
<td>4:55pm–5:15pm</td>
<td>Acute Hearing Loss and Non-Pulsatile Tinnitus</td>
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<td>Joel D. Swartz, MD</td>
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<tr>
<td>5:15pm–5:35pm</td>
<td>Evaluation and Treatment of Vascular Lesions at the Skull Base</td>
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<td>Robert W. Hurst, MD</td>
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<tr>
<td>5:35pm–5:55pm</td>
<td>Sub-millimetric High Resolution Skull Base Imaging: Pre-and Post-Contrast CISS</td>
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<td>Ari M. Blitz, MD</td>
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<tr>
<td>5:55pm–6:15pm</td>
<td>High Resolution MRI for Clinical Problem Solving at the Skull Base</td>
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<td></td>
<td>Nafi Aygun, MD</td>
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</tbody>
</table>

### Room Key

| SB I-V | Sheraton Ballroom I-V |
| BP | Ballroom Promenade |
# The Foundation of the ASNR Scientific Symposium 2015:
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## Sunday, April 26, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>6:30am–8:00am</td>
<td>Breakfast Concession Stand</td>
<td>Location: BP</td>
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<td>SY6 – Location: Sheraton Ballroom I-V</td>
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<tr>
<td>7:45am–9:10am</td>
<td>Get on My Nerves: Dysphagia, Dysarthria, Hoarseness and Ptosis</td>
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<td></td>
<td>Moderators: Parag Salkade, MD; Gul Moonis, MB, BS</td>
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<tr>
<td>7:45am–8:05am</td>
<td>The Patient with Glossopharyngeal Neuralgia</td>
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<td>Nancy J. Fischbein, MD</td>
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<tr>
<td>8:05am–8:25am</td>
<td>Evaluating Hoarseness: Vocal Cord Paralysis</td>
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<td>Minerva Becker, MD</td>
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<td>8:25am–8:50am</td>
<td>Assessing the Patient with Horner’s Syndrome</td>
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<td>Deborah L. Reede, MD</td>
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<td>8:50am–9:10am</td>
<td>Last But Not Least: Cranial XI and XII</td>
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<td></td>
<td>Hugh D. Curtin, MD, FACR</td>
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<tr>
<td>9:10am–9:30am</td>
<td>Morning Beverage Break</td>
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<td></td>
<td>SY7 – Location: SB I-V</td>
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<tr>
<td>9:30am–10:55am</td>
<td>Intracranial Pressure and CSF Flow Dynamics</td>
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<td>Moderators: Mai-Lan Ho, MD; Mauricio Castillo, MD, FACR</td>
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<tr>
<td>9:30am–9:50am</td>
<td>CSF Flow and Chiari Malformations: Options for Decompression</td>
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<td></td>
<td>Karin M. Muraszko, MD, Chair and Julian T. Hoff, Professor Neurological Surgery, University of Michigan</td>
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<tr>
<td>9:50am–10:15am</td>
<td>Unraveling the Maddening Mystery of Pseudotumor Cerebri</td>
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<td>Anne G. Osborn, MD and Karen L. Salzman, MD</td>
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<tr>
<td>10:15am–10:35am</td>
<td>Intracranial Hypotension: Diagnosis, Treatment, and Complications</td>
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<td>William P. Dillon, MD</td>
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<tr>
<td>10:35am–10:55am</td>
<td>Modern Imaging Evaluation of CSF Leaks</td>
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<tr>
<td></td>
<td>Patricia A. Hudgins, MD, FACR</td>
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<tr>
<td>11:00am–12:15pm</td>
<td>Eye See the Posterior Fossa and Cranio-Vertebral Junction</td>
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<td>Moderators: Arthur B. Dublin, MD, FACR; Walter Kucharczyk, MD, FRCP(C)</td>
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</tr>
<tr>
<td>11:00am–11:20am</td>
<td>Transorbital Skull Base Surgery and CSF Leak Repair</td>
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<td></td>
<td>Kris S. Moe, MD, FACS, Chief, Division of Facial Plastic and Reconstructive Surgery</td>
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<tr>
<td>11:20am–11:30am</td>
<td>“Transorbital Endoscopic Amygdalohippocampectomy: A Feasibility Investigation” Chen HI, Bohman LE, Loewner LA, Lucas TH. Journal of Neurosurgery 2014; 120 Timothy H. Lucas, Jr., MD, PhD, Director, Translational Neuromodulation Laboratory, Department of Neurosurgery</td>
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<tr>
<td>11:30am–12:00pm</td>
<td>Rings and Pillars: An Organized Approach to Development and Variants at the Craniovertebral Junction</td>
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<td>Jason F. Talbott, MD, PhD</td>
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<tr>
<td>12:00pm–1:30pm</td>
<td>Lunch Concession Stands</td>
<td>Location: BP</td>
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<tr>
<td>12:30pm–1:15pm</td>
<td>How-To Session</td>
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<td>Toshiba America Medical Systems</td>
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ASNR Future Annual Meetings

ASNR 2016 – 54th ANNUAL MEETING
May 21-26 • Washington Marriott Wardman Park • Washington, DC

ASNR 2017 – 55th ANNUAL MEETING
April 22-27
Long Beach Convention & Entertainment Center
Long Beach, California

ASNR 2018 – 56th ANNUAL MEETING
June 2-7
Vancouver Convention Centre
Vancouver, B.C., Canada

ASNR 2019 – 57th ANNUAL MEETING
May 18-23
Hynes Convention Center
Boston, Massachusetts