Monday, May 23, 2016

6:30am – 8:30am  Breakfast Concession Stand
Locations: Marriott Foyer, Atrium, Exhibit Hall A

7:30am – 8:30am  Session 1A  Monday Morning SAM – Vascular – Audience Response (AR) Self Assessment Module (SAM)
Location: Marriott Ballroom
Moderator: David Pasquale, MD

7:30am – 7:55am  MRA Surveillance Imaging of Unruptured and Endovascularly Treated Intracranial Aneurysms
Donnie Bell, MD

7:55am – 8:00am  Questions and Answer

8:00am – 8:25am  Selected Vascular Diseases of the Brain and Spine
Frank C. Tong, MD

8:25am – 8:30am  Questions and Answer

8:35am – 10:00am  Session 2A  ASPNR Programming: Pediatric Neuroimaging for the Adult Neuroradiologist Audience Response (AR) Self Assessment Module (SAM)
Location: Marriott Ballroom
Moderators: A. James Barkovich, MD and Erin Simon Schwartz, MD

8:35am – 8:50am  Congenital Spinal Cord Anomalies: Top 10 Things to Know
Andrea Rossi, MD

8:50am – 9:10am  Pediatric Brain Imaging Pearls and Pitfalls
Susan Palasis, MD

9:10am – 9:30am  Birth Trauma & HII: What You Need to Know
V. Michelle Silvera, MD

9:30am – 9:50am  Pediatric Head & Imaging Pearls
Caroline D. Robson, MB, ChB

9:50am – 10:00am  Questions and Answers

8:35am – 10:00am  Session 2B  ASHNRP Programming: Update on Temporal Bone Imaging
Location: Washington 4/5/6
Moderators: C. Douglas Phillips, MD, FACR and Kristine M. Mosier, DMD, PhD

8:35am – 9:00am  Contemporary Imaging of Hearing Loss
Karen L. Salzman, MD

9:00am – 9:30am  Inflammatory Disease of the Temporal Bone
Deborah R. Shatzkes, MD

9:30am – 10:00am  Imaging of the Facial Nerve
Richard H. Wiggins III, MD
Monday, May 23, 2016

8:35am – 10:00am  
**Session 2C**  
**Young Professional Programming: Adding Value to Your Practice**  
**Location: Washington 1/2/3**  
Moderators: Mark D. Mamlouk, MD and Joshua A. Hirsch, MD, FACR, FSIR

8:35am – 9:00am  
Radiology’s Role in Value Based Care  
Arun Krishnaraj, MD, MPH

9:00am – 9:25am  
Where are the Opportunities for Neuroradiologists Within the Threats to Us and Our Practices  
Frank J. Lexa, VII, MD

9:25am – 9:50am  
Utilizing Midlevel Professionals  
Falgun H. Chokshi, MD, MS

9:50am – 10:00am  
Discussion

8:35am – 10:00am  
**Session 2D**  
PARALLEL PAPER SESSION: Turbo Talks - Aneurysms: Imaging and Intervention  
**Location: Roosevelt 1-3**  
Moderators: Aquilla S. Turk, DO and Prof. Bernhard Schuknecht, MD

8:35am – 10:11am  
**Session 2E**  
PARALLEL PAPER SESSION: Primary and Metastatic Brain Tumors: MRI Advances  
**Location: Maryland A/B/C**  
Moderators: Ruth Eliahou, MD and Ajay Gupta, MD

8:35am – 10:03am  
**Session 2F**  
PARALLEL PAPER SESSION: Advances in Functional and Structural CNS MRI  
**Location: Roosevelt 4**  
Moderators: Noriko Salamon MD and Kirk M. Welker, MD

10:00am – 10:30am  
Morning Beverage Break  
**Location: Exhibit Hall C**

10:30am – 12:00pm  
**Session 3A**  
ASHNR Programming: Update on Cranial Nerve Imaging  
**Location: Marriot Ballroom**  
Moderators: Ashley H. Aiken, MD and Richard H. Wiggins, III, MD

10:30am – 11:00am  
Evaluation of the Patient with Facial Pain  
David R. DeLone, MD

11:00am – 11:30am  
Understanding Perineural Tumor Spread  
Hilda Elie Stambuk, MD

11:30am – 12:00pm  
Lower Cranial Nerve Imaging  
Deborah L. Reede, MD
Monday, May 23, 2016

10:30am – 12:00pm  Session 3B  Healthcare Policy Programming: A Look to the Future for Medicine and Radiology Audience Response (AR) Self Assessment Module (SAM)
Location: Washington 4/5/6
Moderators: Suresh K. Mukherji, MD, FACR, MBA and Andrew Steven, MD

10:30am – 10:55am  Future Trends in Organized Medicine
Jacqueline A. Bello, MD, FACR

10:55am – 11:20am  Neuroradiology: Today, Tomorrow, and the Day After
Suresh K. Mukherji, MD, FACR, MBA

11:20am – 11:45am  Technology Disrupters and the Impact of Social Media
Amy L. Kotsenas, MD

11:45am – 12:00pm  Questions and Answers

10:30am – 12:00pm  Session 3C  PARALLEL PAPER SESSION: Spine: Imaging and Intervention
Location: Washington 1/2/3
Moderators: Ruby J. Lien, MD and Prashant Raghavan, MBBS

10:30am – 12:00pm  Session 3D  PARALLEL PAPER SESSION: Turbo Talks - Advanced MRI: From Microstructure to Function
Location: Roosevelt 1-3
Moderators: Joseph A. Maldjian, MD and Christopher G. Filippi, MD

10:30am – 12:00pm  Session 3E  PARALLEL PAPER SESSION: Pediatrics: Head Injury, Spine Techniques, and Radiation Dose
Location: Maryland A/B/C
Moderators: Mai-Lan Ho, MD and Julie Harreld, MD

10:30am – 12:00pm  Session 3F  Neuroradiology Education
Location: Roosevelt 4
Moderators: Mark E. Mullins, MD, PhD and Alisa Kanfi, MD

10:30am – 10:45am  Teaching Neuroradiology to Medical Students
Tabassum A. Kennedy, MD

10:45am – 11:00am  Teaching Neuroradiology to Diagnostic Radiology Residents
Jeffrey A. Bennett, MD

11:00am – 11:15am  Teaching Neuroradiology to Neuroradiology Fellows
Pamela W. Schaefer, MD

11:15am – 11:30am  ACGME/RRC Update
James C. Anderson, MD

11:30am – 11:45am  ABR Update
Robert D. Zimmerman, MD, FACR

11:45am – 12:00pm  Panel Discussion/Q&A
Monday, May 23, 2016

10:30am – 1:30pm
Lunch Concession Stands
Locations: Exhibit Hall C, Marriott Foyer, Atrium, Exhibit Hall A

12:15pm – 1:00pm
How-To Session – GE Healthcare (non-CME)
Location: Marriott Ballroom

1:15pm – 2:45pm
**Session 4A**
Olfaction Audience Response (AR) Self Assessment Module (SAM)
Location: Marriott Ballroom
Moderators: Justin L. Brucker, MD and Thomas Naidich, MD, FACR

1:15pm – 1:55pm
Current Concepts of Olfaction From Odorant to Olfactory Bulb: How We Use It, Its Embryology and Anatomy
Peter M. Som, MD, FACR, FRSM

1:55pm – 2:35pm
Central Processing of Odor
Thomas P. Naidich, MD, FACR

2:35pm – 2:45pm
Questions & Answers

1:15pm – 2:45pm
**Session 4B**
Young Professional Programming: Practical Post-Treatment Neuroimaging
Location: Washington 4/5/6
Moderators: Patricia A. Hudgins, MD and Ramon F. Barajas, Jr., MD

1:15pm – 1:40pm
Post Treatment Brain
Soonmee Cha, MD

1:40pm – 2:05pm
Post Treatment Neck
Suresh K. Mukherji, MD, FACS, MBA

2:05pm – 2:30pm
Post Treatment Spine
Lubdha M. Shah, MD

2:30pm – 2:45pm
Discussion

1:15pm – 2:45pm
**Session 4C**
Evidence Based Medicine Programming: Imaging Blunt Cerebrovascular Injury-What is the Evidence?
Location: Washington 1/2/3
Moderators: Yoshimi Anzai, MD, MPH and Mahmud Mossa-Basha, MD

1:15pm – 1:35pm
Imaging Diagnosis of Cerebrovascular Injury and How We Image
Margaret N. Chapman, MD

1:35pm – 1:55pm
BCVI Classification - Implications of Treatment for Carotid and Vertebral Arteries
Michele H. Johnson, MD

1:55pm – 2:15pm
Current Trends of Treatment of BCVI-Treatment Strategies Outcomes
Steven W. Hetts, MD

2:15pm – 2:35pm
Role of Vessel Wall Imaging in Patients with BCVI
Mahmud Mossa-Basha, MD

2:35pm – 2:45pm
Questions and Answer
Monday, May 23, 2016

1:15pm – 2:45pm
Session 4D
PARALLEL PAPER SESSION: Turbo Talks - Adult Brain Tumors: Diffusion, Perfusion and Beyond
Location: Roosevelt 1-3
Moderators: Andrei I. Holodny, MD and Nikdokht Farid, MD

1:15pm – 2:45pm
Session 4E
Excerpta - I
Location: Maryland A/B/C
Moderators: Barton F. Branstetter IV, MD and Wende N. Gibbs, MD, MA

1:15pm – 2:45pm
Session 4F
PARALLEL PAPER SESSION: Interventional Management of CNS Aneurysms
Location: Roosevelt 4
Moderators: Timothy R. Miller, MD and Mohammad Chaudry, MD

2:45am – 3:00pm
Afternoon Beverage Break
Location: Exhibit Hall C

3:00pm – 4:30pm
Session 5A
ASPNR Programming: Pediatric Epilepsy 2016
Location: Marriott Ballroom
Moderators: William B. Zucconi, DO and Vivek Gupta, MD

3:00pm – 3:20pm
Brain Malformations and Epilepsy: New Concepts Using Molecular Pathways as a Guide
A. James Barkovich, MD

3:20pm – 3:40pm
Advanced Imaging in Pediatric Epilepsy
P. Ellen Grant, MD

3:40pm – 4:00pm
Advances in Clinical Epilepsy Management
Dennis J. Dlugos, MD

4:00pm – 4:20pm
Advances in Surgical Epilepsy Management
Joseph Madsen, MD

4:20pm – 4:30pm
Discussion

3:00pm – 4:30pm
Session 5B
AOSNHR Programming: Advances in Vascular Imaging: Diagnosis and Treatment Implication
Location: Washington 4/5/6
Moderators: Chul-Ho Sohn, MD, PhD and Yukunori Korogi, MD, PhD

3:00pm – 3:10pm
Introduction

3:10pm – 3:30pm
Advances in the Imaging of Moyamoya Disease
Tae Jin Yun, MD

3:30pm – 3:50pm
Current Clinical Applications of Intracranial Vessel Wall Imaging
Kazuhiro Tsuchiya, MD

3:50pm – 4:10pm
Clinical Application of 3D T1-Weighted Black-Blood MRI in Head and Neck Arterial Lesions
Masayuki Maeda, MD

4:10pm – 4:30pm
Intracranial Arterial Stenosis: MR Patterns and Outcomes of Management
Feng-Chi Chang, MD
Monday, May 23, 2016

3:00pm – 4:30pm **Session 5C** Evidence Based Medicine Programming: Speed Journal Club to Review New Evidence in the Literature on Hot Topics in Neuroradiology

*Location: Washington 1/2/3*

*Moderators: Pina C. Sanelli, MD, MPH, FACR and Ajay Gupta, MD*

3:00pm – 3:25pm Brain  
*Pina C. Sanelli, MD, MPH, FACR and Ajay Gupta, MD*

3:25pm – 3:45pm Spine  
*Jeffrey G. Jarvik, MD, MPH*

3:45pm – 4:00pm Head and Neck  
*Yoshimi Anzai, MD, MPH*

4:00pm – 4:15pm Pediatric  
*L. Santiago Medina, MD, MPH*

4:15pm – 4:30pm NIR  
*Joshua A. Hirsch, MD, FACR, FSIR*

3:00pm – 4:30pm **Session 5D** PARALLEL PAPER SESSION: Turbo Talks – CNS Tumors: Biomarkers, Genomics, and Radiomimics

*Location: Roosevelt 1-3*

*Moderators: Whitney B. Pope, MD, PhD and Rivka R. Colen, MD*

3:00pm – 4:36pm

3:00pm – 4:30pm **Session 5E** PARALLEL PAPER SESSION: Head & Neck: Skull Base and Temporal Bone

*Location: Maryland A/B/C*

*Moderators: Leon J. van Rensburg, MD, D.Sc and Burce Ozgen Mocan, MD*

3:00pm – 4:30pm **Session 5F** PARALLEL PAPER SESSION: Spine: Trauma & Techniques

*Location: Roosevelt 4*

*Moderators: Blake A. Johnson, MD, FACR and Benjamin P. Liu, MD*

4:45pm – 6:15pm **Session 6A** Advanced Imaging Programming: Demystifying Advanced Imaging

*Location: Marriott Ballroom*

*Moderator: Dikoma C. Shungu, PhD*

4:45pm – 5:15pm Demystifying Diffusion  
*Jeffrey I. Berman, PhD*

5:15pm – 5:45pm Demystifying Perfusion  
*Aaron S. Field, MD, PhD*

5:45pm – 6:15pm Demystifying MR Spectroscopy  
*Dikoma C. Shungu, PhD*
Monday, May 23, 2016

4:45pm – 6:15pm **Session 6B**  
CSI Programming: Electronic Meetings and Publishing: Putting It All Together  
**Location: Washington 4/5/6**  
Moderators: Clifford J. Eskey, MD, PhD and Edward J. Escott, MD

4:45pm – 5:05pm  
Gathering Data: Polls  
Wende N. Gibbs, MD, MA

5:05pm – 5:25pm  
Conducting A Meeting: Ways to Do This Over the Internet (Video Conferencing)  
Edward P. Quigley III, MD, PhD

5:25pm – 5:45pm  
Planning a Meeting or Research Project? Using Google Spreadsheets  
John L. Go, MD, FACR

5:45pm – 6:05pm  
E Publishing  
Deepak Takhtani, MD

6:05pm – 6:15pm  
Questions

4:45pm – 6:15pm **Session 6C**  
Evidence Based Medicine Programming: Appropriateness of Neuroimaging and Clinical Decision Support in the Emergency Department  
**Location: Washington 1/2/3**  
Moderators: Robert M. Barr, MD, FACR and Bhavya Rehani, MD

4:45pm – 5:05pm  
Impact of Clinical Decision Support on the Volume and Appropriateness in the Emergency Department  
Srinivasan Mukundan, Jr., MD, PhD

5:05pm – 5:25pm  
Emergency Medicine Physician Perspective on Using Clinical Decision Support  
Ali S. Raja, MD, MBA

5:25pm – 5:45pm  
Value Based ER Radiology  
David J. Seidenwurm, MD, FACR

5:45pm – 6:05pm  
Legal Implications of Clinical Decision Support Tools  
Jacqueline A. Bello, MD, FACR

6:05pm – 6:15pm  
Panel Discussion

4:45pm – 6:15pm **Session 6D**  
PARALLEL PAPER SESSION: Turbo Talks - Advanced Pediatric MRI / Gadolinium Deposition  
**Location: Roosevelt 1-3**  
Moderators: Blaise V. Jones, MD and Laurence J. Eckel, MD

4:45pm – 6:15pm **Session 6E**  
Study Group - Clinical Translation of Functional Diffusion MRI (non-CME)  
**Location: Maryland A/B/C**
Monday, May 23, 2016

4:45pm – 6:21pm  |  **Session 6F**  
PARALLEL PAPER SESSION-Thrombosis, Clot Detection and CNS Hemorrhage  
**Location:** Roosevelt 4  
**Moderators:** Charles L. Truwit, MD and Prof. Sven Haller, MD

6:15pm – 7:45pm  |  Welcome Reception  
**Location:** Exhibit Hall C

7:45pm – 10:00pm  |  Jam Session  
**Location:** Exhibit Hall C

**Continuous Coffee Service** in the Technical Exhibition Hall in Exhibit Hall C
Tuesday, May 24, 2016

6:30am – 8:30am  
Breakfast Concession Stands  
Locations: Marriott Foyer, Atrium, Exhibit Hall A

7:30am – 8:30am  
Session 7A  
Tuesday Morning SAM – Spine – Audience Response  
(AR) Self Assessment Module (SAM)  
Location: Marriott Ballroom  
Moderator: Maria Vittoria Spampinato, MD

7:30am – 8:30am  
Session 7A  
Tuesday Morning SAM – Spine – Audience Response  
(AR) Self Assessment Module (SAM)  
Location: Marriott Ballroom  
Moderator: Maria Vittoria Spampinato, MD

7:30am – 7:35am  
Unusual Spine Pathology  
Carlos H. Torres, MD, FRCPC

7:35am – 8:00am  
Questions and Answers

8:00am – 8:25am  
Imaging of Spinal Cord Lesions  
Christie M. Lincoln, MD

8:25am – 8:30am  
Questions and Answers

8:35am – 10:00am  
Session 8A  
ASPNR Programming: Pediatric Vascular Disease  
Location: Marriott Ballroom  
Moderators: Ashok Panigrahy, MD and Chen Hoffmann, MD

8:35am – 8:55am  
Congenital Vascular Disorders  
Mariasavina Severino, MD

8:55am – 9:15am  
Arteriopathy in Pediatric Stroke  
Max Wintermark, MD

9:15am – 9:35am  
Pediatric Stroke: The Neurologist’s Perspective  
Gabrielle deVeber, MD

9:35am – 9:55am  
Pediatric Venous Disorders  
Nadine J. Girard, MD

8:35am – 10:00am  
Session 8B  
Young Professional Programming:  
Utilizing Advanced Imaging in Your Practice  
Location: Washington 4/5/6  
Moderators: Falgun H. Chokshi, MD, MS and William P. Dillon, MD

8:35am – 9:00am  
Vessel Wall Imaging  
Mahmud Mossa-Basha, MD

9:00am – 9:25am  
A Practical Guide to Developing a Clinical fMRI Service  
Amit M. Saindane, MD

9:25am – 9:50am  
Interventional Spine Service: Beyond LP’s & Myelos  
Vinil N. Shah, MD

9:50am – 10:00am  
Discussion

8:35am – 10:03am  
Session 8C  
PARALLEL PAPER SESSION: Multiple Sclerosis / Adult Brain MRI  
Location: Washington 1/2/3  
Moderators: Gordon K. Sze, MD, FACR and Emerson L. Gasparetto, MD, PhD
Tuesday, May 24, 2016

8:35am – 10:00am **Session 8D** PARALLEL PAPER SESSION: Turbo Talks – Traumatic Brain Injury / Epilepsy Advances

**Location:** Roosevelt 1-3

**Moderators:** Meng Law, MD, MBBS, FRACR and Kim M. Cecil, PhD

8:35am – 10:00am **Session 8E** Quantitative Imaging

**Location:** Maryland A/B/C

**Moderators:** Andreia V. Faria, MD, PhD and Edward H. Herskovits, MD, PhD

8:35am – 10:00am **Session 8F** Healthcare Policy Programming: Payment Policy Update (2016 – J. Arliss Pollock Memorial Lecture)

**Location:** Roosevelt 4

**Moderators:** William D. Donovan, MD, MPH, FACR and Carolyn Cidis Meltzer, MD, FACR

8:35am – 8:45am Presentation of the J. Arliss Pollock Memorial Award

8:45am – 9:05am The Dawn of a New Day: Goodbye SGR, Hello MACRA

Joshua A. Hirsch, MD, FACR, FSIR

9:05am – 9:30am Diving Deep on APMs and Succeeding with MIPS

Gregory N. Nicola, MD

9:30am – 10:00am How Imaging 3.0 Fits into New Paradigm for Neuroradiologists

Geraldine B. McGinty, MD, MBA

10:00am – 10:30am Morning Beverage Break

**Location:** Exhibit Hall C

10:30am – 11:00am ASNR Annual Business Meeting (Members Only)

**Location:** Marriott Ballroom
Tuesday, May 24, 2016

11:00am – 12:00pm  **Session 9A**  Healthcare Policy Programming: National Initiatives and the Role of the Government (“Public Policy Matters”)
Location: Marriott Ballroom
Moderators: John E. Jordan, MD and David J. Seidenwurm, MD, FACR

11:00am – 11:30am  Updates from CMS – Healthcare Policy Matters
Kate Goodrich, MD, MHS, Director of the Center for Clinical Standards and Quality at CMS

11:30am – 12:00pm  News from the FDA
Daniel Krainak, PhD, Biomedical Engineer, FDA

12:15pm – 1:00pm  **How-To Session – Bracco Diagnostic’s, Inc. (non-CME)**
Location: Marriott Ballroom

10:30am – 1:30pm  Lunch Concession Stands
Locations: Exhibit Hall C, Marriott Foyer, Atrium, Exhibit Hall A

1:15pm – 2:45pm  **Session 10A**  ASHNR Programming: Update on Orbital Imaging
Audience Response (AR) Self Assessment Module (SAM)
Location: Marriott Ballroom
Moderators: Claudia Kirsch, MD and Nandini Patel, MD

1:15pm – 1:40pm  Visual Loss: Understanding the Patterns
Tabassum A. Kennedy, MD

1:40pm – 2:05pm  Diplopia: Anatomy and Pathology
Ilona M. Schmalfuss, MD

2:05pm – 2:30pm  Orbital Infections: What You Need to Know
Gregory D. Avey, MD

2:30pm – 2:45pm  Questions and Answers

1:15pm – 2:45pm  **Session 10B**  ESNR Programming: Cases Audience Response (AR)
Location: Washington 4/5/6
Moderator: Prof. Pia Malin Sundgren, MD, PhD

Cases
Johan W. Van Goethem, MD, PhD
Majda M. Thurnher, MD
Walter Kucharczyk, MD, FRCP(C)
Tuesday, May 24, 2016

1:15pm – 2:45pm  
**Session 10C**  
Healthcare Policy Programming: Challenges Along the Road from Volume to Value  
**Location:** Washington 1/2/3  
**Moderators:** John E. Jordan, MD and Robert D. Zimmerman, MD, FACR

1:15pm – 1:45pm  
Management of Incidental Thyroid Nodules: ACR White Paper and Controversies  
*Jenny K. Hoang, MBBS*

1:45pm – 2:15pm  
A Surgeon’s Perspective on Incidental Thyroid Nodules  
*Julie Ann Sosa, MD, MA, FACS*

2:15pm – 2:45pm  
ACR Perspective on the Shift from Volume to Value  
*Geraldine B. McGinty, MD, MBA*

1:15pm – 2:45pm  
**Session 10D**  
PARALLEL PAPER SESSION: Turbo Talks – Degenerative Diseases / Gadolinium Deposition  
**Location:** Roosevelt 1-3  
**Moderators:** David S. Enterline, MD and Mark T. Tierney, MD, PhD

1:15pm – 2:51pm  
**Session 10E**  
PARALLEL PAPER SESSION: Pediatric CNS: Vascular Techniques  
**Location:** Maryland A/B/C  
**Moderators:** P. Ellen Grant, MD and Joshua S. Shimony, MD, PhD

1:15pm – 2:45pm  
**Session 10F**  
CSI Programming: The Neuroradiology Work Environment  
**Location:** Roosevelt 4  
**Moderator:** Yuonne W. Lui, MD and C. Douglas Phillips, MD, FACR

1:15pm – 1:35pm  
Mistakes and How to Avoid Them  
*Carlos H. Torres, MD, FRCPC*

1:35pm – 1:55pm  
How to Avoid Interruptions in the Work Place  
*John-Paul J. Yu, MD, PhD*

1:55pm – 2:15pm  
Structured Reporting  
*Richard H. Wiggins, III, MD*

2:15pm – 2:35pm  
Image Sharing with Patients  
*C. Douglas Phillips, MD, FACR*

2:35pm – 2:45pm  
Discussion

2:45pm – 3:00pm  
**Afternoon Beverage Break**  
**Location:** Exhibit Hall C
Tuesday, May 24, 2016

3:00pm – 4:30pm  
**Session 11A**  
ASFN Programming: Advanced Neuroimaging Techniques in Brain Tumor: Current Updates Audience Response (AR) Self Assessment Module (SAM)  
**Location:** Marriott Ballroom  
**Moderators:** Mark S. Shiroishi, MD and Jason M. Johnson, MD

3:00pm – 3:15pm  
Proton MR Spectroscopy  
*Peter B. Barker, D.Phil*

3:15pm – 3:35pm  
Functional MRI Pre-Treatment Planning for Brain Tumor: Pitfalls and Progress  
*Kirk M. Welker, MD*

3:35pm – 3:55pm  
Perfusion: Treatment Response from Pseudoprogression  
*Jerrold Boxerman, MD, PhD*

3:55pm – 4:15pm  
Diffusivity and Genomics: Current Thoughts and Metrics  
*Whitney B. Pope, MD, PhD*

4:15pm – 4:30pm  
Questions and Answers

3:00pm – 4:36pm  
**Session 11B**  
PARALLEL PAPER SESSION-Stroke: Advanced CT and MR Techniques  
**Location:** Washington 4/5/6  
**Moderators:** Kambiz Nael, MD and Seena Dehkharghani, MD

3:00pm – 4:30pm  
**Session 11C**  
Incidental Findings  
**Location:** Washington 1/2/3  
**Moderators:** Tabassum A. Kennedy, MD and Tina Young Poussaint, MD

3:00pm – 3:20pm  
General Overview of Incidental Findings  
*Tina Young Poussaint, MD*

3:20pm – 3:40pm  
Incidental Findings in CT Angiography Neck Examinations  
*Philip R. Chapman, MD*

3:40pm – 3:55pm  
Incidental Findings in 10,000 Research Volunteer MR Exams  
*Paul Rowley, BS*

3:55pm – 4:20pm  
Best Practices: Clinical and Research Incidental Findings  
*Gregory G. Zaharchuk, MD, PhD*

4:20pm – 4:30pm  
Questions and Answers

3:00pm – 4:30pm  
**Session 11D**  
PARALLEL PAPER SESSION: Turbo Talks-16 Shades of Grey and White Matter  
**Location:** Roosevelt 1-3  
**Moderators:** James G. Smirniotopoulos, MD and Gaurang V. Shah, MD
Tuesday, May 24, 2016

3:00pm – 4:30pm  **Session 11E**  
**Young Professional Programming: Social Media**  
**Programming: Career and Social Media**  
**Location:** Maryland A/B/C  
Moderators: Amy L. Kotsenas, MD and Jennifer E. Nathan, MD  
3:00pm – 3:15pm  Becoming a Leader in Private Practice  
Robert M. Barr, MD, FACR  
3:15pm – 3:30pm  Becoming a Leader in Academics  
Christine M. Glastonbury, MBBS  
3:30pm – 3:45pm  WHY all Radiologists Should Use Social Media Professionally  
Jenny K. Hoang, MBBS  
3:45pm – 4:00pm  The Nuts and Bolts of Social Media: AKA How Do I Use This Stuff?  
Neil Uttam Lall, MD  
4:00pm – 4:30pm  Social Media Super-Users Panel  
Geraldine B. McGinty, MD, MBA  
Ryan T. Fitzgerald, MD  
Falgun H. Chokshi, MD, MS  
Courtney M. Tomblinson, MD

3:00pm – 4:30pm  **Session 11F**  
**ASSR Programming: Advanced Interventional Spine Procedures**  
**Location:** Roosevelt 4  
Moderators: Jeffrey A. Stone, MD, FACR and Gregory J. Lawler, MD  
3:00pm – 3:25pm  Regenerative Spine Medicine: A Primer for Neuroradiologists  
Blake A. Johnson, MD, FACR  
3:25pm – 3:40pm  The Future Spine Radiologist: Integrating Imaging and Procedures for Precision Diagnosis and Treatment  
Gregory J. Lawler, MD  
3:40pm – 4:00pm  The Spine Clinic: Moving Toward ABR Pain Medicine Certification  
A. Orlando Ortiz, MD, MBA, FACR  
4:00pm – 4:20pm  Interventional Pain Management in Failed Back Surgery Syndrome  
Bassem A. Georgy, MD  
4:20pm – 4:30pm  Discussion

4:45pm – 6:15pm  **Session 12A**  
**ASPNR Programming: Cased Based Competition**  
**Audience Response (AR)**  
**Location:** Marriott Ballroom  
Moderator: Erin Simon Schwartz, MD  
Susan Palasis, MD  
Ashok Panigrahy, MD  
Arastoo Vossough, PhD, MD
Tuesday, May 24, 2016

**Session 12B**  
**Drugs and Bugs: Global Disasters**  
**Location:** Washington 4/5/6  
**Moderators:** Walter Kucharczyk, MD, FRCP(C) and Prof. Tchoyoson CC. Lim, MBBS, FRCP  
4:45pm – 6:15pm

4:45pm – 5:10pm  
CNS Manifestations Associated with Illicit Drugs and Infections  
Prof. Tchoyoson CC. Lim, MBBS, FRCP  

5:10pm – 5:35pm  
Bugs and Drugs: CNS Manifestations Associated with Illicit Drugs and Infections in Brazil  
Lara Alexandre Brandão, MD  

5:35pm – 6:00pm  
Drugs and Bugs: Look What the Boeing Dragged In!  
Apostolos John Tsiouris, MD  

6:00pm – 6:15pm  
Discussion

**Session 12C**  
**Organizational Dynamics**  
**Location:** Washington 1/2/3  
**Moderator:** Saresh K. Mukherji, MD, FACR, MBA  
4:45pm – 6:15pm

4:45pm – 5:20pm  
Radiology Group Dynamics—Moving from Dysfunction to Fun Using Leadership and Citizen Training  
Frank J. Lexa VII, MD  

5:20pm – 5:55pm  
There are Many Groups in Your Radiology Group: Leading Them to Success  
Andrew F. Simon, PhD, PsyD  

5:55pm – 6:15pm  
Discussion

**Session 12D**  
**PARALLEL PAPER SESSION: Turbo Talks – Hot Topics in Neuro Socioeconomics**  
**Location:** Roosevelt 1-3  
**Moderators:** Raymond K. Tu, MD, FACR and Kristine A. Blackham, MD  
4:45pm – 6:15pm

**Session 12E**  
**Study Group – Intracranial and Cervical Vessel Wall Imaging (non-CME)**  
**Location:** Maryland A/B/C

4:45pm – 6:21pm

**Session 12F**  
**PARALLEL PAPER SESSION: Interventional: Vascular Malformations**  
**Location:** Roosevelt 4  
**Moderators:** Biraj M. Patel, MD and Jeffrey L. Sunshine, MD, PhD  
4:45pm – 6:21pm
Wednesday, May 25, 2016

6:30am – 8:30am  Breakfast Concession Stands  
Locations: Marriott Foyer, Atrium, Exhibit Hall A

7:30am – 8:30am  **Session 13A**  Wednesday Morning SAM – Spine – Audience Response (AR) Self Assessment Module (SAM)  
**Location:** Marriott Ballroom  
**Moderator:** Blaise V. Jones, MD

7:30am – 7:55am  Pediatrics Brain Cases  
*Tina Young Poussaint, MD*

7:55am – 8:00am  Questions and Answers

8:00am – 8:25am  Going with the Flow: Pediatric Vascular Disease  
*David M. Mirsky, MD*

8:25am – 8:30am  Questions and Answers

8:30am – 9:00am  **Session 14**  General Session: Future of Neuroimaging / Neuroscience Research  
**Location:** Marriott Ballroom  
**Moderator:** R. Gilberto Gonzalez, MD, PhD

9:00am – 10:00am  **Session 14A**  Mini Stroke – Acute Triage  
**Location:** Marriott Ballroom  
**Moderator:** Allan L. Brook, MD, FSIR

9:00am – 9:30am  A New Standard for Acute Stroke Therapy  
*Gregory W. Albers, MD, FAHA*

9:30am – 10:00am  Stroke Triage: Patient Selection Beyond the 6 Hour Window  
*Mohammad Chaudy, MD*

9:00am – 10:00am  **Session 14B**  MR Safety – Updates in 2016  
**Location:** Washington 4/5/6  
**Moderator:** TBD

9:00am – 9:15am  Update on Retained GBCA  
*Robert J. McDonald, MD, PhD*

9:15am – 9:30am  Anthropogenic GBCA and Status of GBCA Expose  
*Emanuel Kanal, MD*

9:30am – 9:45am  The American Board of MR Safety Standardization  
*Emanuel Kanal, MD*

9:45am – 10:00am  Questions/Answers and Audience Feedback

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Continuous Coffee Service in the Technical Exhibition Hall in Exhibit Hall C
Wednesday, May 25, 2016

**Session 14C**  
**Dementia**  
**Location:** Washington 1/2/3  
*Moderator: Jeffrey R. Petrella, MD*

9:00am – 9:30am  
Molecular and Functional Imaging Techniques in Preclinical Alzheimer’s Disease: Implications for Prevention Trials  
*Reisa Sperling, MD*

9:30am – 10:00am  
Brain Aging and Biomarkers of Alzheimer’s Disease  
*Clifford R. Jack Jr., MD*

**Session 14D**  
**PARALLEL PAPER SESSION: Turbo Talks – Brain Physiology in Practice**  
**Location:** Roosevelt 1-3  
*Moderators: David J. Mikulis, MD and Ryan T. Fitzgerald, MD*

9:00am – 10:00am  
**Session 14E**  
**Subspecialty & Regional Society Papers, Dyke Award, Foundation of the ASNR Papers**  
**Location:** Maryland A/B/C  
*Moderators: Pina C. Sanelli, MD, MPH, FACR and Jordan M. Prager, MD*

9:00am – 9:10am  
Awards Announcements

9:10am – 9:18am  
A Method to Quantify Injury to White-Matter Pathways Using Diffusion MRI – Norma E. Leeds Award (ENRS)  
*Emad Ahmadi, MD*

9:18am – 9:26am  
Automated Adaptive Multiplane-Multiangle Oblique (AAMO) Rendering Volumetric Spine CT – Stephen A. Kieffer Award or Best Mentor Paper  
*Nicholas V. Titelbaum, MD*

9:26am – 9:34am  
CSF Venous Fistula and Renal Contrast in SIH Patients Without CSF Leak at CT Myelography – 2016 Louis A. Gilula, MD Mentor Award (ASSR)  
*Michael S. Clark, MD*

9:34am – 9:42am  
Altered Excitation-Inhibition in Knee Osteoarthritis – Gabriel H. Wilson Award (WNRS)  
*Bradley R. Foerster, MD, PhD*

9:42am – 9:50am  
Tales From the Crypt: When Vertebral Augmentation Goes Very Wrong – Southeastern Neuroradiology Society (SENRS) Award  
*Mary E. Jensen, MD*

9:50am – 9:58am  
Structural Connectivity of Distributed Cortical Association Networks Reflects Cognitive Reserve in Autosomal Dominant Familial Alzheimer’s Disease – 2016 Cornelius G. Dyke Memorial Award  
*Jeffrey W. Prescott, MD, PhD*

**Session 14F**  
**PARALLEL PAPER SESSION: Venous Disease and CSF Dynamics**  
**Location:** Roosevelt 4  
*Moderators: Victor M. Haughton, MD and Ajay Malhotra, MD*

8:35am – 10:03am

10:00am – 10:30am  
**Morning Beverage Break**  
**Location:** Exhibit Hall C
Wednesday, May 25, 2016

10:30am – 12:00pm **Session 15A**  
SNIS Programming: Point-Counterpoint: Drip-and-Ship vs. Mothership – The NeuroInterventionalist’s Role in Large Vessel Occlusion Therapy Audience Response (AR)  
Self Assessment Module (SAM)  
Location: Marriott Ballroom  
Moderators: Peter A. Rasmussen, MD and Charles J. Prestigiacomo, MD, FACS, FAANS

10:30am – 10:45am Large Vessel Occlusion (LVO) Therapy: What is the Current Evidence  
Mahesh V. Jayaraman, MD

10:45am – 11:00am Point: Drip-and-Ship for Acute Ischemic Stroke: What is the Evidence?  
M. Shazam Hussein, MD

11:00am – 11:15am Counterpoint: Mothership for Acute Ischemic Stroke: What is the Evidence?  
Blaise W. Baxter, MD

11:15am – 11:30am Speaker Rebuttals

11:30am – 11:45am Does the Mobile Stroke Unit (MSU) Change the Rules? Incorporating MSU in Stroke Therapy  
Peter A. Rasmussen, MD

11:45am – 12:00pm Questions and Answers

10:30am – 12:00pm **Session 15B**  
WHO’s Next and What’s New? The 2016 World Health Organization Update on Brain Tumors: What Neuroradiologists Need to Know  
Location: Washington 4/5/6  
Moderators: Anne G. Osborn, MD and Kelly K. Koeller, MD, FACR

10:30am – 11:15am Updates on Brain Tumors  
Anne G. Osborn, MD

11:15am – 12:00pm What is Next in Pathology  
Bette K. Kleinschmidt-DeMasters, MD

10:30am – 12:00pm **Session 15C**  
ASFNR Programming: Resting State Connectivity: Ready for Primetime?  
Location: Washington 1/2/3  
Moderators: T. Jason Druzgal, MD, PhD and Arastoo Vossough, MD, PhD

10:30am – 10:50am Resting State Connectivity in Language Function  
Steven M. Stufflebeam, MD

10:50am – 11:10am What We Know About Resting State Connectivity in Children  
Robert K. Fulbright, MD

11:10am – 11:30am Resting Connectivity and the Connectome  
Joshua S. Shimony, MD, PhD

11:30am – 11:50am Resting State Connectivity in Neurodegenerative Disease: Biomarker Potential  
Haris Sair, MD

11:50am – 12:00pm Discussion

Continuous Coffee Service in the Technical Exhibition Hall in Exhibit Hall C
**Wednesday, May 25, 2016**

**Session 15D**
10:30am – 12:00pm
PARALLEL PAPER SESSION-Turbo Talks – Pediatric CNS: Fetal Imaging / Sickle Cell Disease
*Location: Roosevelt 1-3*
*Moderators: Orit A. Glenn, MD and Thierry A.G.M. Huisman, MD*

**Session 15E**
10:30am – 12:00pm
CSF Programming: Normal Pressure Hydrocephalus (NPH) and Chiari I
*Location: Maryland A/B/C*
*Moderators: William G. Bradley, Jr., MD, PhD, FACR and Harold L. Rekate, MD*

10:30am – 10:55am
Diagnosis and Management of Chiari
*Harold L. Rekate, MD*

10:55am – 11:20am
Computational Flow Dynamics of Chiari
*Victor M. Haughton, MD*

11:20am – 11:45am
PC-MRI in Evaluation of NPH
*William G. Bradley Jr., MD, PhD, FACR*

11:45am – 12:00pm
Discussion

**Session 15F**
10:30am – 12:06pm
PARALLEL PAPER SESSION: Informatics: Analysis Tools and Optimized Workflow
*Location: Roosevelt 4*
*Moderators: Edward Yang, MD and Asim Z. Mian, MD*

**Lunch Concession Stands**
10:30am – 1:30pm
*Locations: Exhibit Hall C, Marriott Foyer, Atrium, Exhibit Hall A*

**Session 16A**
12:15pm – 1:00pm
SNIS Programming: Trauma and the Neurointerventionalists: The Management of the Endovascular Emergency
*Location: Marriott Ballroom*
*Moderators: Chirag D. Gandhi, MD and Charles J. Prestigiacomo, MD, FAANS, FACS*

1:15pm – 1:35pm
Diagnostic Neuroradiology in the Setting of Trauma of the Head and Neck: Spotting the Problem
*Jeffrey L. Sunshine, MD, PhD*

1:35pm – 1:55pm
Management of Traumatic Dissections of the Great Vessels of the Neck: Current Level of Evidence
*Sameer A. Ansari, MD, PhD*

1:55pm – 2:15pm
Acute Management of the Traumatic CCF
*Rocco A. Armonda, MD*

2:15pm – 2:35pm
Acute Endovascular Management of Trauma of the Face and Neck
*Chirag D. Gandhi, MD*

2:35pm – 2:45pm
Panel Discussion
Wednesday, May 25, 2016

1:15pm – 2:45pm  **Session 16B**  Traumatic Brain Injury (TBI) – Advanced  
**Location:** Washington 4/5/6  
**Moderators:** Richard Watts, D.Phil and Gregory G. Zaharchuk, MD, PhD

1:15pm – 1:45pm  Advanced Biomarkers of Traumatic Brain Injury for Precision Medicine  
Pratik Mukherjee, MD, PhD

1:45pm – 2:15pm  Brain Imaging and Subconcussive Impacts in Sports-related mild TBI  
Joseph A. Maldjian, MD

2:15pm – 2:45pm  Radiology Findings in Military TBI Using Advanced MR Imaging  
Gerard Riedy, MD, PhD

1:15pm – 2:45pm  **Session 16C**  ASFNR Programming: Cutting Edge Functional Imaging in Neurodegenerative Disorders: New Concepts  
**Location:** Washington 1/2/3  
**Moderators:** Timothy M. Shepherd, MD, PhD and Doris D. M. Lin, MD, PhD

1:15pm – 1:35pm  Advanced Translational Approach to Functional Connectivity MRI in Neurodegenerative Disorders  
Jeffrey S. Anderson, MD, PhD

1:35pm – 1:55pm  Functional MR in Alzheimers Disease  
Jeffrey R. Petrella, MD

1:55pm – 2:15pm  Models of Graph Spread Can Predict the Spatio-Temporal Distribution of Neurodegenerative Disorders  
Ashish Raj, PhD

2:15pm – 2:35pm  Metabolic Connectivity Pathways in Neurodegenerative Disease  
David Eidelberg, MD

2:35pm – 2:45pm  Discussion

1:15pm – 2:45pm  **Session 16D**  PARALLEL PAPER SESSION: Turbo Talks – Spine Innovations  
**Location:** Roosevelt 1-3  
**Moderators:** John L. Go, MD, FACR and Vikas Agarwal, MD
Wednesday, May 25, 2016

1:15pm – 2:45pm  **Session 16E**  
**SILAN Programming: Cerebral Venous System:**  
**Update in Diagnostic and Novel Treatments**  
**Location:** Maryland A/B/C  
**Moderators:** Javier M. Romero, MD, Roy F. Riascos, MD and Carlos H. Torres, MD, FRCP  
1:15pm – 1:20pm  Introduction: What is SILAN?  
*Orlando Diaz, MD*  
1:20pm – 1:40pm  Diagnosis of Venous Infarct: Where Do We Stand?  
*R. Gilberto Gonzalez, MD, PhD*  
1:40pm – 2:00pm  Venous Sinus Stenting for Endovascular Treatment of Idiopathic Intracranial Hypertension  
*Juan G. Tejada, MD*  
2:00pm – 2:20pm  Endovascular Treatment of Venous Lesions of the Head and Neck  
*Alex Berenstein, MD*  
2:20pm – 2:40pm  Current State of Endovascular Treatment of Acute Dural Venous Sinus Thrombosis  
*Josser E. Delgado, MD*  

1:15pm – 2:45pm  **Session 16F**  
**PARALLEL PAPER SESSION: Pediatric Brain Tumors:**  
**Pre- and Post- Treatment**  
**Location:** Roosevelt 4  
**Moderators:** Gibert Vezina, MD and Aylin Tekes-Brady, MD  
2:45am – 3:00pm  Afternoon Beverage Break  
**Location:** Exhibit Hall C  

3:00pm – 4:30pm  **Session 17A**  
**SNIS Programming: New Devices in NeuroInterventional Space**  
**Location:** Marriott Ballroom  
**Moderator:** Charles J. Prestigiacomo, MD, FACS, FAANS  
3:00pm – 3:20pm  The FDA and the NeuroInterventional Space: Helping to Define New Horizons  
*Mary E. Jensen, MD*  
3:20pm – 3:40pm  Quality and Training in the World of New Devices: Who is Responsible?  
*Charles J. Prestigiacomo, MD, FACS, FAANS*  
3:40pm – 4:00pm  New Devices for Hemorrhagic Stroke (Aneurysm and AVM): A Synopsis  
*Aquilla S. Turk, DO*  
4:00pm – 4:20pm  New Devices for Ischemic Stroke: A Synopsis  
*Ansaar T. Rai, MD*  
4:20pm – 4:30pm  Panel Discussion
Wednesday, May 25, 2016

3:00pm – 4:30pm  **Session 17B**  ASSR Programming: Advanced Imaging of the Spine

**Audience Response (AR) Self Assessment Module (SAM)**

**Location:** Washington 4/5/6

**Moderators:** Falgun H. Chokshi, MD, MS and Meng Law, MD, MBBS, FRACR

- 3:00pm – 3:20pm  MR Neurography: Plexus and Peripheral Neurography
  **John A Carrino, MD, MPH**

- 3:20pm – 3:40pm  Optimized Imaging of the Instrumented Spine
  **Lawrence N. Tanenbaum, MD, FACR**

- 3:40pm – 4:00pm  Spinal Cord Imaging: Advanced Techniques
  **Meng Law, MD, MBBS, FRACR**

- 4:00pm – 4:20pm  Spinal 4D MRA
  **Falgun H. Chokshi, MD, MS**

- 4:20pm – 4:30pm  Questions and Answers

3:00pm – 4:30pm  **Session 17C**  PET-MR

**Location:** Washington 1/2/3

**Moderators:** Christopher G. Filippi, MD and Mykol Larvie, MD

- 3:00pm – 3:25pm  Introduction to PET/MRI Neuroimagers
  **Gregory G. Zaharchuk, MD, PhD**

- 3:25pm – 3:50pm  PET/MRI of Dementia
  **Ilya M. Nasrallah, MD**

- 3:50pm – 4:15pm  Multimodality Imaging of Epilepsy: Role of PET/MRI
  **Steven M. Stufflebeam, MD**

- 4:15pm – 4:30pm  Panel Discussion

3:00pm – 4:30pm  **Session 17D**  PARALLEL PAPER SESSION-Turbo Talks-Acute Stroke: Imaging and Intervention

**Location:** Roosevelt 1-3

**Moderators:** Gaurav Jindal, MD and Maria Gisele Matheus, MD

3:00pm – 4:30pm  **Session 17E**  PARALLEL PAPER SESSION: Brain Tumors: Diffusion and Perfusion Techniques

**Location:** Maryland A/B/C

**Moderators:** Jay J. Pillai, MD and Robert J. Young, MD

3:00pm – 4:30pm  **Session 17F**  PARALLEL PAPER SESSION: Pediatrics: Epilepsy, Autism, & Development

**Location:** Roosevelt 4

**Moderators:** Susan Palasis, MD and Sanjay P. Prabhu, MBBS, FRCR

Continuous Coffee Service in the Technical Exhibition Hall in Exhibit Hall C
### Wednesday, May 25, 2016

#### Session 18A  
**One Stop Shop Symposium**  
**Location:** Marriott Ballroom  
*Moderator: Charles A. Strother, MD*

- **4:45pm – 4:50pm** Introduction
- **4:50pm – 5:10pm** Technology Enabling Multimodality Imaging in the Angiography Suite  
  *Guang-Hong Chen, PhD*
- **5:10pm – 5:30pm** Rationale and Feasibility of Multimodality Imaging in the Angiography Suite. How This Adds Value  
  *Prof. Arnd Dörfler, MD*
- **5:30pm – 5:50pm** The Erlangen Experience with Multimodality Imaging in the Angiography Suite  
  *Prof. Tobias Struffert, MD*
- **5:50pm – 6:10pm** Capabilities of Mult-Modality Imaging Using Cone-beam CT  
  *Beverly Aagaard-Kienitz, MD*
- **6:10pm – 6:15pm** Wrap-up

#### Session 18B  
**CSI Programming: 3D Print**  
**Location:** Washington 4/5/6  
*Moderators: Jonathan M. Morris, MD and Peter Liacouris, PhD*

- **4:45pm – 5:15pm** Incorporation of 3D Printing into a Quaternary Referral Center: Emphasis on Craniomaxillofacial  
  *Jonathan M. Morris, MD*
- **5:15pm – 5:45pm** 3D Printing for Pediatric Neurosurgical Surgical Simulation  
  *Sanjay P. Prabhu, MBBS, FRCR*
- **5:45pm – 6:15pm** Using 3D Printing in the Creation of Plastic Surgery Guides and Maxillofacial Prosthetic Molds  
  *Peter Liacouris, PhD*

#### Session 18C  
**ASNR/SNMMI* Join Session: Integrated Molecular Imaging**  
**Location:** Washington 1/2/3  
*Moderator: John Seibyl, MD*

- **4:45pm – 5:15pm** Imaging Biomarkers - PET and MRI  
  *Sterling C. Johnson, PhD*
- **5:15pm – 5:45pm** Amyloid PET and IDEAS Study  
  *Ilya M. Nasrallah, MD, PhD*
- **5:45pm – 6:15pm** Clinical Dopamine Imaging in Movement Disorders  
  *John Seibyl, MD*

#### Session 18D  
**PARALLEL PAPER SESSION: Turbo Talks – Head and Neck: All Neck Extravaganza**  
**Location:** Roosevelt 1-3  
*Moderators: Robert E. Morales, MD and Luke N. Ledbetter, MD*

*SNMMI = Society of Nuclear Medicine and Molecular Imaging*
Wednesday, May 25, 2016

4:45pm – 6:15pm  **Session 18E**  Excerpta – II  
**Location:** Maryland A/B/C  
**Moderators:** Michele H. Johnson, MD and Reza Forghani, MD, PhD

4:45pm – 6:15pm  **Session 18F**  Study Group - Imaging Genomics (non-CME)  
**Location:** Roosevelt 4

**Continuous Coffee Service** in the Technical Exhibition Hall in Exhibit Hall C
Thursday, May 26, 2016

6:30am – 8:30am  Breakfast Concession Stands  
Locations: Marriott Foyer, Atrium, Exhibit Hall A

7:30am – 8:30am  Session 19A  Thursday Morning SAM – Head & Neck – Audience Response (AR) Self Assessment Module (SAM)  
Location: Marriott Ballroom  
Moderator: Ashley H. Aiken, MD

7:30am – 7:55am  Salivary Glands  
Ruth Eliahou, MD

7:55am – 8:00am  Questions and Answers

8:00am – 8:25am  Deep Spaces of the Neck  
Mari Hagiwara, MD

8:25am – 8:30am  Questions and Answers

8:35am – 10:00am  Session 20A  SNIS Programming: Difficult Dilemmas: Safe Solutions for Challenging Situations in the Cavernous Sinus  
Location: Marriott Ballroom  
Moderator: Charles J. Prestigiacomo, MD, FAANS, FACS

8:35am – 9:00am  Cavernous Sinus Anatomy and Its Endovascular Implications  
Charles J. Prestigiacomo, MD, FAANS, FACS

9:00am – 9:20am  Intra-arterial Approaches to Cavernous Sinus Lesions: Is the “Direct” Route Always the Best?  
Matthew R. Amans, MD, MSc

9:20am – 9:40am  Transvenous Approaches to Lesions of the Cavernous Sinus: The “Indirect Solution to a Complex Problem  
Krishna Amuluru, MD

9:40am – 10:00am  Deconstruction Methods and Alternatives to the Treatment of Vascular Lesions of the Cavernous Sinus  
Ferdinand K. Hui, MD
Thursday, May 26, 2016

8:35am – 10:00am  **Session 20B**  Advanced Neuroimaging and Bioinformatics in Neuropsychiatric Disease
*Location: Washington 4/5/6*
*Moderator: John-Paul J. Yu, MD, PhD*

8:35am – 8:50am  Substance Use Disorder and Neuroimaging
*Jody L. Tanabe, MD*

8:50am – 9:05am  MS Spectroscopy in Neuropsychiatric Disorders
*John D. Port, MD, PhD*

9:05am – 9:20am  Imaging Genetics of 22q11 Deletion Syndrome
*James E. Schmitt, MD, PhD*

9:20am – 9:35am  Systems Neuroscience, Neuroimaging and Neuropsychiatric Disease
*John-Paul J. Yu, MD, PhD*

9:35am – 9:50am  Overview of Functional Neuroimaging in Neuropsychiatric Disease
*Leo P. Sugrue, MD, PhD*

9:50am – 10:00am  Discussion

8:35am – 10:00am  **Session 20C**  PARALLEL PAPER SESSION: Head and Neck: Parathyroid, Thyroid, and Salivary
*Location: Washington 1/2/3*
*Moderators: Tabassum A. Kennedy, MD and Tamara Feygin, MD*

8:35am – 10:00am  **Session 20D**  PARALLEL PAPER SESSION: Turbo Talks – Neurovascular Imaging Advances
*Location: Roosevelt 1-3*
*Moderators: Pamela W. Schaefer, MD and Edmond A. Knopp, MD*

8:35am – 10:03am  **Session 20F**  PARALLEL PAPER SESSION: Pediatrics: Brain Imaging Advances
*Location: Roosevelt 4*
*Moderators: Laura L. Hayes, MD and Arastoo Vossough, PhD, MD*

10:00am – 10:30am  Morning Beverage Break
*Location: Marriott Foyer*
Thursday, May 26, 2016

10:30am – 12:00pm  **Session 21A**  ASSR Programming: Oncologic Spine Imaging and Interventional Procedures  
**Location:** Marriott Ballroom  
**Moderators:** Jack W. Jennings, MD, PhD and Wade H.M. Wong, DO

10:30am – 10:50am  Oncology: The New Frontier for the Spinal / Pain Interventionalist  
Wade H.M. Wong, DO

10:50am – 11:10am  MR Perfusion of Spinal Metastatic Disease: Implications for Treatment and Response to Therapy  
Sasan Karimi, MD

11:10am – 11:30am  Tumor Alabation and Vertebral Augmentation for Spinal Metastatic Disease  
Jack W. Jennings, MD, PhD

11:30am – 11:50am  Endovascular Treatment of Spinal Metastatic Lesions  
Huy M. Do, MD

11:50am – 12:00pm  Discussion

10:30am – 12:00pm  **Session 21B**  CSF Programming: Normal Pressure Hydrocephalus (NPH) and Pseudotumor  
**Location:** Washington 4/5/6  
**Moderator:** Meng Law, MD, MBBS, FRACR

10:30am – 10:55am  Physiology and Imaging of CSF Flow  
Ari M. Blitz, MD

10:55am – 11:20am  TimSLIP in Evaluation of NPH  
Meng Law, MD, MBBS, FRACR

11:20am – 11:45am  Idiopathic Intracranial Hypertension  
William P. Dillon, MD

11:45am – 12:00pm  Discussion

10:30am – 12:00pm  **Session 21C**  PARALLEL PAPER SESSION: Head & Neck: The Orbital Neighborhood  
**Location:** Washington 1/2/3  
**Moderators:** Rihan Khan, MD and Jeffrey A. Bennett, MD

10:30am – 12:00pm  **Session 21D**  PARALLEL PAPER SESSION: Turbo Talks – Intracranial Vascular Procedures  
**Location:** Roosevelt 1-3  
**Moderators:** Matthew R. Amans, MD, MSc and John H. Rees, MD

10:30am – 12:00pm  **Session 21F**  Excerpta – III  
**Location:** Roosevelt 4  
**Moderators:** Gaurav Jindal, MD and Daniel Mandell, MD, PhD, FRCPC

10:30am – 1:30pm  Lunch Concession Stands  
**Locations:** Marriott Foyer, Atrium, Exhibit Hall A
Thursday, May 26, 2016

12:15pm – 1:00pm  How-To Session – Philips Healthcare (non-CME)
Location: Marriott Ballroom

1:15pm – 2:45pm  **Session 22A**  Multiple Sclerosis Audience Response (AR) Self Assessment Module (SAM)
Location: Marriott Ballroom
Moderator: Aaron S. Field, MD, PhD
1:15pm – 1:40pm  MS Diagnosis and Therapy: State of the Science
Peter A. Calabresi, MD
1:40pm – 2:10pm  Advanced Neuroimaging in MS
Daniel S. Reich, MD, PhD
2:10pm – 2:30pm  Differential Diagnosis in MS Imaging
Aaron S. Field, MD, PhD
2:30pm – 2:45pm  Questions and Answers

1:15pm – 2:45pm  **Session 22B**  SNIS Programming: Seeing Aneurysms a Whole New Way: Biophysics and Computational Fluid Dynamics of Aneurysms
Location: Washington 4/5/6
Moderator: Charles J. Prestigiacomo, MD, FAANS, FACS
1:15pm – 1:35pm  Designing Aneurysms: A Primer on Advanced Computational Fluid Dynamics
Adel M. Malek, MD, PhD
1:35pm – 1:55pm  Merging Biomathematics and CFD: From Equation to Patient Care
Charles J. Prestigiacomo, MD, FAANS, FACS
1:55pm – 2:15pm  Patient-Specific CFD: Personalized Medicine in Aneurysm Therapy?
Matthew J. Gounis, PhD
2:15pm – 2:35pm  CFD and Device Assessment: Can We Predict the Optimal Treatment
Juan R. Cebral, PhD
2:35pm – 2:45pm  Panel Discussion

1:15pm – 2:45pm  **Session 22D**  PARALLEL PAPER SESSION: Advances in CNS Tumor Imaging and Treatment
Location: Roosevelt 1-3
Moderators: Daniel P. Barbioriak, MD and Jacqueline A. Bello, MD, FACR

1:15pm – 2:45pm  **Session 22F**  PARALLEL PAPER SESSION: Intracranial Plaque and Vessel Wall Imaging
Location: Roosevelt 4
Moderator: Bruce A. Wasserman, MD and Fletcher M. Munter, MD