ASNR 56th Annual Meeting &
The Foundation of the ASNR
Symposium 2018

June 2-7, 2018
Vancouver, BC, Canada
Vancouver Convention Centre East

MEETING GUIDE

#asnr18
Emergency Service Procedures

Vancouver Convention Centre East

1. House Phone: Dial 7255 or 7500
2. From a cell phone: Dial 604-647-7299 or 604-647-7500

Pan Pacific Vancouver

From any guestroom or meeting rooms, contact Service 1 by dialing “0” on any house phone. Service 1 will immediately contact the Security team for any emergency.

From a cell phone: 604-662-8111

The Fairmont Waterfront

1. House Phone: Dial 3333
2. From a cell phone: 604-691-1991 identify it is a medical issue.

The caller should provide the following:
1. Determine name of specific meeting room location where the situation has occurred.
2. Identify yourself, reference your exact location and provide details on the nature of the emergency situation.
3. Provide a brief but concise description of the problem, be prepared to answer any questions that the operator may ask you, and remain on the line.

Vancouver Convention Centre East Wifi

You may access complimentary WiFi service in the ASNR meeting areas using the following instructions at the Vancouver Convention Centre East. When using your wireless management software, find the Wireless Network ASNR and enter the password CONNECT2ASNR.

VANCOUVER CONVENTION CENTRE EAST
1055 Canada Pl
Vancouver, BC, Canada
V6C 0C3
604-665-9000

ASNR Registration Desk
604-647-7460

PARKING GARAGE AT THE VANCOUVER CONVENTION

WestPark Parking
Service at Canada Place
999 Canada Place
Parking Level 1
Vancouver, BC V6C 3C1
604-684-2251

Impark Parking
1055 Canada Place Way (Lot 1940)
Vancouver BC V6C 3C1
604-331-7288

Pan Pacific Vancouver
300-999 Canada Place
Vancouver, BC V6C 3B5
Canada
604-662-8111

Overflow Hotel Information

Fairmont Waterfront
900 Canada Place Way
Vancouver, BC, V6C 3L5
Canada
604-691-1991

LOCAL HOSPITAL

St. Paul’s Hospital
1081 Burrard Street
Vancouver, BC, Canada
BC, V6Z 1Y6
604-682-2344

LOCAL PHARMACIES

Shopper Drug Mart
1202 W Pender St
Vancouver, BC V6E2S9,
Canada • 604-605-1200

Rexall
1055 W Georgia St Unit 122,
Vancouver, BC V6E 3P3,
Canada • 604-684-8204

Shopper Drug Mart (24 Hours)
1125 Davie St
Vancouver, BC V6E 1N2,
Canada • 604-669-2424
# asnr18

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**Meeting Registration — Convention Lobby (Convention Level) - VCCE**

Registration is located at Convention Lobby. The registration desk will be open during the following hours:

- **Friday, June 1** .................4:00pm - 8:00pm
- **Saturday, June 2** ..............6:30am - 6:00pm
- **Sunday, June 3** .................6:30am - 6:00pm
- **Monday, June 4** .................6:30am - 6:00pm
- **Tuesday, June 5** ...............6:30am - 6:00pm
- **Wednesday, June 6** ............6:30am - 6:00pm
- **Thursday, June 7** ..............6:30am - 1:00pm

As a registrant of the ASNR 56th Annual Meeting and The Foundation of the ASNR Symposium 2018, ASNR reserves the right to use photos taken for promotional materials for future meetings.
MESSAGE FROM THE CO-CHAIRS

On behalf of the Board of Trustees, it is a pleasure to report the Foundation of the American Society of Neuroradiology was able to award $1,050,000 to 11 investigators in fiscal year 2017 (to be funded over a period of 2 years). Thanks to the generosity of our donors, the Foundation continues to promote the stability and growth of neuroradiology by providing critical research needed to yield expert diagnoses, target patient care and apply sophisticated approaches to complex disease management.

As neuroradiologists and members of ASNR, we play a vital role in promoting the highest standards for training and practice, fostering research in our field, and ensuring the future of our specialty. Research is central to the future of our field; fostering new ideas for clinical practice and enhancing patient care.

Your continued support and donations have allowed the Foundation to grant $6 million to fund over 100 members in our society as research investigators. The return on your investment is substantial as the research from our neuroradiology investigators is becoming critical in this healthcare environment.

Increased Foundation support by our membership sends a clear message of commitment to preserving the integrity of our specialty and patient care. Your support allows us to “Sustain a Strong Identity and Build a Healthy Future” together.

Thank you for the opportunity to serve as the Co-Chairs of the Foundation and work collaboratively with a dedicated board of neuroradiologists whose vision and commitment allows us to fulfill our mission.

Please stop by the Donor Lounge in Room 19 & 20 (Meeting Level) to pick up your Donor or Chairman’s Society Ribbon and have some refreshments. You can make your contribution to the Foundation in the Lounge if you have not previously had the opportunity. The Donor Lounge is open Sunday, June 3 – Wednesday, June 6 from 8:00am – 4:00pm and Thursday, June 7 from 8:00am – 12:00pm.

Trusting that our continued efforts will create a greater value for all of neuroradiology,

Laurie A. Loevner, MD
Co-Chair, The Foundation of the ASNR

Pina C. Sanelli, MD, MPH, FACR
Co-Chair, The Foundation of the ASNR
The ASNR-ACR-RSNA Common Data Elements (CDE) Neuroradiology Workgroup is charged with cataloging and codifying best-practice concepts or features that should universally appear in neuroradiology reports for specific clinical use-cases. CDEs are not reporting templates - they are granular concepts and controlled responses. Come to the technical exhibits area to learn more about the ASNR CDE effort and get a glimpse of next-generation neuroradiology reporting.

It’s the next-generation neuroradiology reporting - It’s not what you think it is!

CDE Demonstrations
Monday, June 4th through Wednesday, June 6th
10:00am - 4:00pm
Booth #504
in Hall B (Convention Level)
Meeting Portal Content and Charging Stations

HTTPS://WWW.PATHLMS.COM/ASNR

This link will be the portal for:

- Program Planner
- The Foundation of the ASNR Symposium 2018 Scientific Power Point Presentations
- Electronic Scientific Posters
- Electronic Educational Exhibits
- ASNR 2018 CME/SAM Evaluation Link
- Disclosures

Charging Station Locations

During the meeting you have the opportunity to charge your cell phone, laptop or other mobile devices at one of the Charging Stations listed below:

**Donor Wall by Registration Area Convention Lobby**
Saturday, June 2 – Sunday, June 3, 6:30am – 6:00pm
Thursday, June 7, 6:30am – 12:00pm

**Speaker Ready Room – Meeting Room 13 (Meeting Room Level)**
Saturday, June 2, 6:30am – 6:00pm
Thursday, June 7, 6:30am – 1:00pm
6:30am – 6:00pm

**Donor Lounge – Meeting Room 19 & 20 (Meeting Room Level)**
Sunday, June 3 – Wednesday, June 6, 8:00am – 4:00pm
Thursday, June 7, 8:00am – 12:00pm

**Hall B (Convention Level)**
Monday, June 4 – Wednesday, June 6, 10:00am – 4:00pm
1. Go to http://guidebook.com/g/asnr18 or scan this QR code to download the Guidebook App:

2. Once installed, launch the Guidebook app and search for ASNR in the “Find a Guide” box. Select the ASNR 56th Annual Meeting Guide and click “Download.”
General Information

**Vancouver Convention Centre East is the official location for all educational programming and exhibits.**

**AMERICAN BOARD OF RADIOLOGY (ABR) INFO DESK**

*Convention Lobby (Convention Level)*

**AMERICAN JOURNAL OF NEURORADIOLOGY (AJNR) BOOTH**

Monday, June 4 - Wednesday, June 6  
*Hall B (Convention Level) Booth #506*

**AMERICAN SOCIETY OF NEURORADIOLOGY (ASNR) BOOTH**

*Hall B (Convention Level) Booth #508*

Visit the ASNR Booth with inquiries and questions about membership and all the benefits that ASNR has to offer to Neuroradiologists.

**AUDIENCE RESPONSE (AR) HELP DESK**

*Hall A (Convention Level)*

**PHILIPS COMMITTEE/SPECIALTY SOCIETY MEETINGS**

*Convention Lobby (Convention Level)*

Please refer to the daily postings on the Meetings & Announcements Boards.

**CASE OF THE DAY**

*Hall C (Convention Level)*

*Sponsored by Philips Healthcare – Elition MRI*

**COMMON DATA ELEMENTS BOOTH**

*Hall B (Convention Level) Booth #504*

**CHARGING STATIONS**

Saturday, June 2 – Sunday, June 3  
& Thursday, June 7  
*Speaker Ready Room 13 - (Meeting Room Level)*

Monday, June 3 – Wednesday, June 6  
*Hall B (Convention Level)*

**THE FOUNDATION OF THE ASNR DONOR LOUNGE**

*Room 19 and 20 (Meeting Room Level)*

Current and Future Donors: Please stop by the Donor Lounge to pick up your ribbons and learn more about The Foundation of the ASNR.

Hours of Operation:  
Sunday, June 3 - ............8:00am - 4:00pm  
Wednesday, June 6  
Thursday, June 7 ............8:00am-12:00pm

**E-ACCESS/SAM RESPONSE AREA**

*Meeting Room 7 (Meeting Room Level)*

e-Access computer terminals will be available to registered attendees that can be used to evaluate attended sessions, print CME certificates and to check email.  
Saturday, June 2..............1:00pm - 6:30pm  
Sunday, June 3 - ............6:30am - 6:30pm  
Wednesday, June 6  
Thursday, June 7 ............6:30am - 1:00pm  
*Sponsored by Philips Healthcare – Elition MRI*

**HEADQUARTERS OFFICE**

*Room 14 (Meeting Room Level)*

**HOUSE OF NEURORADIOLOGY (HONR) BOOTH**

*Hall B (Convention Level) Booth #517*

Stop by the ASNR Greater House of Neuroradiology (HONR) booth and learn about the ASNR-managed Specialty and Regional Societies, including each society’s membership benefits and upcoming Annual Meeting.

**THE INTERNATIONAL HYDROCEPHALUS IMAGING WORKING GROUP (IHIWG) CSF FLOW GROUP**

*Room 2 (Meeting Room Level)*

Wednesday, June 6 - Thursday, June 7  
See schedule for details.
General Information

**LOST AND FOUND**
Registration - Convention Lobby (Convention Level)

**LUGGAGE/COAT CHECK**
Registration Lobby (Convention Level)

**REGISTRATION**
Convention Lobby (Convention Level)

**SPEAKER READY ROOM**
Room 13 (Meeting Room Level)

**TECHNICAL EXHIBITS**
Hall B (Convention Level)

**LEGGAGE/COAT CHECK**
Registration Lobby (Convention Level)

**MEETINGS & ANNOUNCEMENTS BOARD**
Convention Lobby (Convention Level)

**NAME BADGES**
Please wear name badges at all times while you are attending the scientific sessions, social programs and technical exhibits.

**PRINTERED SCIENTIFIC POSTERS, ELECTRONIC SCIENTIFIC POSTERS, EDUCATIONAL EXHIBIT POSTERS, ELECTRONIC EDUCATIONAL EXHIBITS**
Hall C (Convention Level)

**WIFI**
Network: ASNR
Password: CONNECT2ASNR

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**REGISTRATION**
Convention Lobby (Convention Level)

**SPEAKER READY ROOM**
Room 13 (Meeting Room Level)
Saturday, June 2 ..............7:00am - 6:00pm
Sunday, June 3 - ..............6:30am - 6:00pm
Wednesday, June 6
Thursday, June 7 ............. 6:30am - 1:00pm

**TECHNICAL EXHIBITS**
Hall B (Convention Level)

**VANCOUVER INFORMATION DESK**
Convention Lobby (Convention Level)

**WORLD FEDERATION OF NEURORADIOLOGICAL SOCIETIES (WFNRS)**
Symposium Neuroradiologicum (SNR) XXII
Friday, May 13 - Monday, May 16, 2022
Preceding ASNR 60th Annual Meeting
Monday, May 16 – Thursday, May 19, 2022
Hilton New York Midtown, New York, NY

**YOUNG PROFESSIONALS LOUNGE**
Meeting Room 17 (Meeting Room Level)

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**MEETINGS & ANNOUNCEMENTS BOARD**
Convention Lobby (Convention Level)

**NAME BADGES**
Please refer to the daily postings on the Meetings & Announcements Board for information on committee meetings.

**PRINTERED SCIENTIFIC POSTERS, ELECTRONIC SCIENTIFIC POSTERS, EDUCATIONAL EXHIBIT POSTERS, ELECTRONIC EDUCATIONAL EXHIBITS**
Hall C (Convention Level)

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**PRINTERED SCIENTIFIC POSTERS, ELECTRONIC SCIENTIFIC POSTERS, EDUCATIONAL EXHIBIT POSTERS, ELECTRONIC EDUCATIONAL EXHIBITS**
Hall C (Convention Level)

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**SPEAKER READY ROOM**
Room 13 (Meeting Room Level)
Saturday, June 2 ..............7:00am - 6:00pm
Sunday, June 3 - ..............6:30am - 6:00pm
Wednesday, June 6
Thursday, June 7 ............. 6:30am - 1:00pm

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**TECHNICAL EXHIBITS**
Hall B (Convention Level)

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**VANCOUVER INFORMATION DESK**
Convention Lobby (Convention Level)

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**WORLD FEDERATION OF NEURORADIOLOGICAL SOCIETIES (WFNRS)**
Symposium Neuroradiologicum (SNR) XXII
Friday, May 13 - Monday, May 16, 2022
Preceding ASNR 60th Annual Meeting
Monday, May 16 – Thursday, May 19, 2022
Hilton New York Midtown, New York, NY

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**YOUNG PROFESSIONALS LOUNGE**
Meeting Room 17 (Meeting Room Level)
ASNR offers morning and afternoon beverage breaks and Grab-and-Go Breakfast and Lunch. (No tickets required). Two easy locations for you to remember for Food and Beverages at the Foundation of the ASNR 2018 and the ASNR 56th Annual Meeting.

**ASNR 2018 – VCCE FOOD SERVICE**

**Grab-and-Go Breakfast**
Sunday, June 2 – Wednesday, June 6, Ballroom A (Convention Level) 5:30am - 8:00am
Thursday, June 7, Ballroom A (Convention Level) 6:00am - 8:00am

**Continuous Coffee Service (during Technical Exhibition)**
Monday, June 4 – Wednesday, June 6, Hall B (Convention Level) 10:00am - 4:00pm

**Morning Beverage Breaks (coffee/hot tea only)(hydration stations)**
Sunday, June 3, Ballroom A (Convention Level) 10:00am – 10:30am
Monday, June 4 – Wednesday, June 6, Hall B (Convention Level) 10:00am – 10:30am
Thursday, June 7, Ballroom A (Convention Level) 10:00am – 10:30am

**Afternoon Beverage Breaks (coffee/hot tea/sodas)(hydration stations)**
Saturday, June 2, Ballroom A (Convention Level) 3:00pm – 3:30pm
Sunday, June 3, Ballroom A (Convention Level) 3:15pm – 3:45pm
Monday, June 4 – Wednesday, June 6, Hall B (Convention Level) 2:45pm – 3:15pm

**Grab-and-Go Lunches**
Sunday, June 3, Ballroom A (Convention Level) 11:30am – 1:30pm
Monday, June 4 – Wednesday, June 6, Hall B (Convention Level) 11:30am – 1:30pm
CASE OF THE DAY Sponsored by the Philips Healthcare - Elition MRI
Monday, June 4 – Wednesday, June 6
Hall C (Convention Level)

Test your neuroradiology knowledge and earn a chance to win prizes, including full registration to the ASNR 57th Annual Meeting in 2019 and two (2) nights (standard room) at the Sheraton Boston. This interactive programming presents six new cases each day on Monday through Wednesday. Submit your preferred diagnoses by 5:00pm each day via the ASNR Annual Meeting Mobile App. Each correct submission earns you a chance to win prizes.

NOTE: No CME credit is available for this activity.

Thank you to our Participating Partner, Philips Healthcare, creator of the Philips Elition MRI, for providing this interactive opportunity to all ASNR meeting attendees!

E-ACCESS CENTER Sponsored by the Philips Healthcare - Elition MRI
Room 7 (Meeting Room Level)

The E-Access Center provides computer terminals and printers to all registered attendees to evaluate and record credits, answer and record SAM Session credits and print out CME certificates and check/print out email messages, too.

Daily Hours:
- Saturday, June 2, 1:00pm – 6:30pm
- Sunday, June 3 – Wednesday, June 6, 6:30am – 6:30pm
- Thursday, June 7, 6:30am – 1:00pm

Thank you to our Participating Partner, Philips Healthcare, creator of the Philips Elition MRI, for providing the E-Access Center for all ASNR meeting attendees!
AJNR BOOTH – TECHNICAL EXHIBIT HALL B (BOOTH #506)
All attendees are invited to stop by the booth any time to tour the new AJNR Web Site, AJNR Blog, and AJNR Digest.

Monday, June 4 10:00am – 4:00pm
Tuesday, June 5 10:00am – 4:00pm
Wednesday, June 6 10:00am – 4:00pm

MEET AJNR’S EDITOR-IN-CHIEF
Dr. Jeffrey Ross, AJNR’s Editor-in-Chief, will be present at the booth at various times to answer questions regarding the Journal’s online features, listen to suggestions, talk about projects with prospective authors, and advise fellows regarding their future contributions to AJNR.

NEUROGRAPHICS
Neurographics is ASNR’s bimonthly online educational journal, featuring peer-reviewed educational articles and select case reports. Most of the content for the journal is selected from the educational exhibits at the ASNR Annual Meeting. Neurographics is available free online at www.neurographics.org. ASNR members can earn free AMA PRA Category 1™ SA-CME credit for each Neurographics review article by completing an online quiz at ASNR’s eCME site.

Want to stay up-to-date with the newest articles? Follow Neurographics on Facebook (@Neurographics) and Twitter (@asnrographics) to read the latest and greatest content!

Go Green
Members, stop by the AJNR Booth to suspend your print subscription and reduce your footprint
DIY and Special Sessions

MONDAY, JUNE 4 – HALL A (CONVENTION LEVEL)
9:10AM-10:00AM

**Gadolinium Deposition in Clinical Practice: What Does It Mean for My Patients?**
Donna R. Roberts, MD
Alexander Radbruch, MD, JD

**Accreditation Statement**
The Institute for Advanced Medical Education (IAME) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. IAME designates this live CME activity for a maximum of 1.0 AMA/PRA Category 1 Credit™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
This program is supported through an unrestricted educational grant from Guerbet, LLC.

**This Special Panel Session is not part of The Foundation of the ASNR Symposium 2018 or ASNR Annual Meeting.**

TUESDAY, JUNE 5 – HALL A (CONVENTION LEVEL)
9:10AM-10:00AM

**GBCA Use in Neuroradiology: What's New?**
Emanuel Kanal, MD, FACR, FISMRM, MRMD, AANG
Howard A. Rowley, MD

**Accreditation and CME Statement**
This CME activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education thru the joint providership of The Institute for Medical Studies (IMS) and Northwest Imaging Forums, Inc. IMS is accredited by the ACCME to provide continuing medical education for physicians. The Institute for Medical Studies designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity. Nurses may claim credit for activities approved for AMA PRA Category 1 Credits™ in most states, for up to 50% of the nursing requirement for recertification. This activity is designated for up to 1.0 AMA PRA Category 1 Credits™.

This program has been submitted for approval of 0.5 hour of Category A CE credit as designated by The Society for MR Radiographers & Technologists (SMRT) RCEEM. This activity may be available in multiple formats or from different sponsors. ARRT regulations state that an individual may not repeat a live activity for credit if it was reported in the same or any subsequent biennium.
Supported by an educational grant from Bracco Diagnostics, Inc.

**This Special Panel Session is not part of The Foundation of the ASNR Symposium 2018 or ASNR Annual Meeting.**
In addition to the Technical Exhibition, the leadership of the ASN R is pleased to announce the annual slate of instructional How-To Sessions. These sessions, presented in conjunction with major corporate contributors, deal with advances in imaging and procedures as well as principles in neuroradiology and image information management.

How-To Sessions are scheduled throughout the week and offer a unique opportunity to hear about the latest developments in products and procedures that impact daily practice. Noted faculty speak on behalf of these companies to educate registrants about specific utilization of equipment and products to advance knowledge and skills of ‘neuro’ imaging techniques and processes. The sessions vary and include both didactic presentations and demonstrations, all with a strong practical emphasis.

Please Note: Due to the direct financial support from companies to conduct these sessions, CME credit hours will not be granted for any How-To Sessions by the ASNR.

**WEDNESDAY, JUNE 6 - HALL A (CONVENTION LEVEL) 9:10AM-10:00AM**

**RAPID**

**How to Incorporate the New Stroke Imaging Guidelines Into Your Practice Selection of Stroke Patients for Late Window Thrombectomy: What Do the New Guidelines Recommend?**

Greg Albers, MD

*Panelists:*

Jeremy Heit, MD, PhD
Howard Rowley, MD
Achala Vagal, MD

**THURSDAY, JUNE 7, 2018 – HALL A (CONVENTION LEVEL) 9:10AM-10:00AM**

**Genesis Stroke Capabilities**

Kenneth V. Snyder, MD, PhD
MONDAY, JUNE 4 – HALL A (CONVENTION LEVEL)
1:00-1:08PM

Siemens Healthineers
Streamlining Stroke Care with the Nexaris Angio-CT
Reade De Leacy, MD, MBBS (Hons), BSc, FRANZCR

TUESDAY, JUNE 5 – HALL A (CONVENTION LEVEL)
1:00-1:08PM

Philips
Neuro MRI with Philips Compresed SENSE
TBD

WEDNESDAY, JUNE 6 – HALL A (CONVENTION LEVEL)
1:00-1:08PM

Philips
Philips MR in Neuro Oncology – 3D APT (Amide Proton Transfer)
TBD
Important Information for Young Professionals

YOUNG PROFESSIONALS
Fellows, Resident, Medical Student or Neuroradiologists in the first 3 years of practice.

**Be our guest!**

**YOUNG PROFESSIONAL LOUNGE**
Room 17 (Meeting Level)
A “home base” for Fellows, Residents, Young Professionals & Medical Students to network and share knowledge and experience throughout the meeting.
Saturday, June 2 1:00pm – 6:00pm
Sunday, June 3 – Wednesday, June 6 6:30am – 6:00pm
Thursday, June 7 6:30am – 12:00pm

**SPEED MENTORING**
Fellows, Residents, Medical Students and Neuroradiologists in the first 3 years of practice, you are invited to join “Speed Mentoring” organized by the ASNR Young Professional Committee. Enjoy round table discussions with a mentor. All you have to do is show up “first come first serve” no sign-up required. It will be a fun, relaxing way to network and learn from mentors in the field of Neuroradiology.

When: Sunday, June 3 5:00pm
Location: Pan Pacific Vancouver – Gazebo 1 & 2 (prior to the Closing Reception of the ASNR Symposium)

Participate in several of the following Topics:
• Maintaining Work Life Balance
• Making the Decision: Academic vs. Private Practice
• Taking the Professional Leap from Trainee to Attending
• Interviewing Advice
• How to Get Promoted
• How to Become Involved in Neuroradiology Advocacy / Health Policy

**YOUNG PROFESSIONAL PROGRAMMING**
Young Professional Sessions
ASNR has designed specific program topics for learning during the ASNR Annual Meeting. You won’t want to miss the following sessions. For details, please see schedule.

**Tuesday, June 5**
10:30am-12:00pm
**Session 13D**
**Bringing Value to Our Imaging Reports**
Room 1 (Meeting Room Level)

**Wednesday, June 6**
4:45pm-6:15pm
**Session 23C**
**Non-Clinical Advice for Early Career Neuroradiologists**
Ballroom C (Convention Level)

**Thursday, June 7**
9:00am-10:00am
**Session 25B**
**Leveraging Social Media to Enhance Neuroradiology**
Ballroom C (Convention Level)
CLOSING RECEPTION OF THE SYMPOSIUM

Pan Pacific Vancouver

Sunday, June 3

6:30PM – 7:30PM PST, Crystal Pavilion Ballroom (Lobby Level)

Symposium attendees and exhibitors representatives are invited to spend time networking at the Pan Pacific Vancouver after the busy day at The Foundation of the ASNR Symposium 2018. Enjoy pre-dinner hors d’oeuvres.

ANNUAL MEETING RECEPTION WITH TECHNICAL EXHIBITORS

Vancouver Convention Centre East

Monday, June 4

6:15PM – 7:30PM PST, Hall B (Convention Level)

Enjoy a fun night with your ASNR colleagues at the Annual Meeting Reception. Stop by and mingle with the ASNR Technical Exhibitors at the reception too. Located in the Technical Exhibits Hall, a pre-dinner reception will include light food and beverages. We look forward to an enjoyable exchange!
Special Programs

STUDY GROUPS

Study Groups target areas of critical importance to the field of Neuroradiology and are composed of neuroradiologists, neuroscientists, and investigators from associated disciplines, who are united in their interest in higher level, sophisticated investigations of these target areas. These sessions will be offered during the 56th Annual Meeting. They are open to all attendees on a first-come, first-serve basis. No CME credit will be awarded for these sessions.

Clinical Translation of Functional Diffusion MRI Study Group
Monday, June 4
4:45pm – 6:15pm
Meeting Room 11/12
(Meeting Room Level)
The ASNR Study Group for the Clinical Translation of Functional and Diffusion MRI represents an international multi-disciplinary endeavor to identify critical knowledge gaps that must be addressed to translate these advanced neuroimaging techniques into sensitive/ specific clinical tools for the diagnosis of diseases affecting the brain. The Study Group is comprised of representatives from neuroradiology, neurology, neurosurgery, psychiatry, pediatrics, and the neurosciences, thereby leveraging a broad inter-disciplinary perspective to develop a strategic framework of key action items to address these knowledge gaps. To this end, the Study Group has been to focus on two primary aims: 1) To investigate the reproducibility of functional and advanced diffusion MRI techniques, which is necessary for translation of these methods into robust diagnostic imaging tools, and 2) To review and disseminate the current evidence to date supporting the use of functional and advanced diffusion MRI methods in clinical practice. Additional manuscripts are being developed to review the methodological breadth of advanced diffusion imaging, as well as the evidence supporting the clinical use of functional and advanced diffusion imaging techniques, as applied to a variety of clinical entities (e.g., psychiatric disease, preterm birth, brain tumors, multiple sclerosis, etc).

Intracranial and Cervical Vessel Wall Imaging Study Group
Tuesday, June 5
4:45pm – 6:15pm
Meeting Room 11/12
(Meeting Room Level)
With the recent success of high-resolution cervical vessel wall imaging for defining stroke risk beyond that achievable by angiography, the Study Group has now turned its attention to the intracranial vessel wall, a new frontier in neurovascular imaging. Recognizing this, the ASNR has supported the formation of this Study Group which is mandated to take a leading role in advancing both clinical applications and research in this new and growing field. This Study Group is composed of a multidisciplinary team organized to develop methodologies and share expertise for redefining knowledge of both cervical and intracranial vasculopathies. Its primary goals are to establish uniform imaging protocols, promote multi-institutional research, and develop educational programs and materials. This group offers a variety of opportunities for making seminal and impactful contributions in this field.

Imaging Genomics Study Group
Wednesday, June 6
4:45pm – 6:15pm
Meeting Room 11/12
(Meeting Room Level)
The ASNR Imaging Genomics Study Group serves as a unified voice and body for advancing the clinical and research applications of imaging genomics. For this mission this Study Group is working on the development and validation of imaging genomics biomarkers and biomarker signatures. This Study Group seeks to pool genomic data from multicenter image-guided tumor biopsies in combination with quantitative data from anatomic and physiologic MR. Imaging genomics correlates and investigates the relationship between imaging features of tumors and metabolomic and proteomic expression data to form the most complete imaging-molecular data analysis possible. This Study Group is also focusing on the need for standardization of imaging across vendors, software platforms, postprocessing techniques, etc., and on enhancing awareness and multidisciplinary collaboration among the imaging and non-imaging communities to advance imaging genomic paradigms within these fields. This Study Group has finalized for publication the ASNR Imaging Genomics White Paper exploring the current state and future directions of imaging genomics in brain tumors.
American Journal of Neuroradiology (AJNR) .............................................Booth #506
American Society of Neuroradiology (ASNR) .........................................Booth #508
House of Neuroradiology (ASNR) .............................................................Booth #512
Bayer .........................................................................................................Booth #106
1 Bayer Drive, Indianola, PA 15022
Bracco Diagnostics Inc. ...........................................................................Booth #218
259 Prospect Plains Road, Bldg. H, Monroe Township, NJ 08831
CANON MEDICAL SYSTEMS USA, INC ..................................................Booth #108
2441 Michelle Drive, Tustin, CA 92780
Common Data Elements (CDE) ...............................................................Booth #504
CorTechs Labs ..........................................................................................Booth #410
4690 Executive Drive, Suite 250, San Diego, CA 92121
Elsevier, Inc. ..............................................................................................Booth #104
1600 JFK Blvd., Suite 1600, Philadelphia, PA 19103
Envision Physician Services ........................................................................Booth #207
7700 West Sunrise Blvd., Plantation, FL 33322
GE Healthcare ..............................................................................................Booth #411
3200 N. Grandview Boulevard, Waukesha, WI 53188-1678
GOLD STANDARD PHANTOMS .................................................................Booth #205
Unit 103 Belgravia Workshops, 159 – 163 Marlborough Rd., London. N19 4NF
Guerbet, LLC ...............................................................................................Booth #304
821 Alexander Road, Suite 204, Princeton, NJ 08540
Hitachi Healthcare Americas .......................................................................Booth #318
1959 Summit Commerce Park, Twinsburg, OH 44087

Blue font signifies first time exhibitor
Technical Exhibits Roster

icometrix ..................................................................................................................Booth #404
1 Broadway, 14th Floor – icometrix, Cambridge, MA 02142

Imaging Biometrics, LLC .......................................................................................Booth #319
13416 Watertown Plank Road, Suite 260, Elm Grove, WI 53122

Invivo .......................................................................................................................Booth #220
N27 W23676 Paul Road, Pewaukee, WI 53072

iSchemaView RAPID ............................................................................................Booth #317
405 El Camino Real, Suite 601, Menlo Park, CA 94025

Medic Vision Imaging Solutions ........................................................................Booth #300
3 Hayozma, Tirat Carmel, Israel 39032

MEDNAX Radiology Solutions (vRad) .................................................................Booth #301
11995 Singletree Lane, Eden Prairie, MN 55344

NordicNeuroLab ...................................................................................................Booth #412
234 W. Florida St., Suite 205, Milwaukee, WI 53204

Philips Healthcare ..................................................................................................Booth #210
595 Miner Rd, Cleveland, OH 44143

Prism Clinical Imaging, Inc ...................................................................................Booth #416
890 Elm Grove Rd., Ste 209, Elm Grove, WI 53122

Quantib BV ............................................................................................................Booth #406
Westblaak 3012 KM Rotterdam, The Netherlands

Radiology Partners .................................................................................................Booth #515
2101 E. El Segundo Blvd., Suite # 401, El Segundo, CA 90245

Samsung NeuroLogica ..........................................................................................Booth #511
14 Electronics Ave, Danvers, MA 01923

Siemens Healthineers ...........................................................................................Booth #206
40 Liberty Boulevard, Malvern, PA 19355

SpinTech ..................................................................................................................Booth #204
30200 Telegraph Road, Suite 140, Bingham Farms, MI 48025

Synthetic MR, AB .....................................................................................................Booth #200
Storgatan 11, Linkoping, Sweden, SE-582 23

Wolters Kluwer .......................................................................................................Booth #320
Two Commerce Sq. 2001 Market Street, Philadelphia, PA 19103

Blue font signifies first time exhibitor
Technical Exhibits
Floor Plan
Convention Level
Floor Plan
Meeting Level
Floor Plan
Meeting Level Floor Plan
SMART POLLING WEB INSTRUCTIONS

- Go to www.pollev.com/asnr
- Click on the three lines in the top right corner to get the screen to login

You will see the following screen:

To reconfirm your login information, click on the Icon in the black bar beside @asnr’s presentation and you will see your login status. Then click ‘Back’.
Please connect your device to the WiFi network named ASNR and enter the password WHATSACDE? to ensure the strongest signal.

**ALTERNATIVE SUBMISSION OF SAM ANSWERS**
If you do not submit answers to SAM questions in the live session itself, you will have the opportunity to obtain self-assessment credit by answering the same questions during your CME evaluations in the e-Access/Alternate SAM Response Area in East Meeting Room 7 (Meeting Room Level).

**SAM CREDITS**
If you use the Audience Response system to answer SAM questions within a session, your credits will not immediately appear in your CME credits listed in the e-Access/Alternate SAM Response Area. Please allow two hours following the session conclusion for the credits to be transferred to the e-Access/Alternate SAM Response Area.

**LOGIN**

**SAM Instructions**

1. Go to https://ww3.aievolution.com/asn1801/ and login using your username and password
2. You will land on your “My Credits” page
3. Select “My SAMs” from the top of the page
4. On this page you can select “List Self-Assessments” to see the self-assessments that are available to you
5. From this page you can Start Self-Assessment from the right side of the screen
6. If you have not already done so, you will be asked to claim your AMA credit for this session before completing your posttest to complete your SAM credit.

**WIFI**

**Network:** ASNR  
**Password:** CONNECT2ASNR
INFORMATION FOR SCIENTIFIC POSTER AND EDUCATION EXHIBIT PRESENTERS

Storing of Scientific Poster/Educational Exhibit Poster Shipping Containers

Shipping containers used to transport Scientific Posters and Educational Exhibit Poster may not be left in the display area. Trash cans are available to dispose of shipping containers that will not be used again. The ASNR Luggage/Coat Check* is in the Convention Lobby (Convention Level) and is available to leave your container during the week.

Push pins, scissors and tape for use in mounting exhibits and posters will be available at the Service Desk at no charge.

* Please note that the coat check is not a secure location and ASNR will not be responsible for any containers that are lost.

Exhibit Service Desk Hours – Exhibit Hall

- Sunday, June 3 | 9:00am – 5:00pm
- Monday, June 4 | 9:00am – 1:00pm

Containers placed in this area must have an identifying label that includes the name of the owner and the poster or exhibit number. Containers without an identifying label will be considered available for use by ASNR and/or will be removed.

Security

ASNR will provide general overall guard service in Hall C on a 24-hour basis throughout the Annual Meeting. However, neither ASNR nor the guard service will be responsible for loss of or damage to any property for any cause. Any attendee requesting access to Hall C outside of poster set-up, exhibit or dismantle hours must obtain permission and authorization in advance from ASNR Meetings Department Staff.

Contacting ASNR Staff Pre-Meeting & On-Site

Please contact us with any questions or concerns you may have. We may be contacted through the Registration Desk (Convention Lobby). We will be happy to meet with you personally to discuss any aspect of the meeting.

Exhibit Set-up/Installation Hours – Hall C (Convention Level)

All exhibits must be set-up by 9:00pm on Sunday, June 3.
INFORMATION FOR SCIENTIFIC POSTER AND EDUCATION EXHIBIT PRESENTERS (CONTINUED)

Educational Exhibit and Scientific Poster Location and Hours

*Hall C (Convention Level)*

- Monday, June 4 through Wednesday, June 6 | 6:30am – 9:00pm
- Thursday, June 7 | 6:30am – 12:00pm

**Exhibit Dismantle Hours**

Removal of exhibits may begin at 11:00am to 1:00pm on Thursday, June 7. Any items still remaining in the Hall C at 1:00pm will be discarded at that time.

Exceptions to this policy must be requested in writing to ASNR and approved by the Education Exhibits Chair.

All presenters are required to set-up and dismantle their exhibits based on the above schedule. Should you encounter a conflict regarding this schedule, please contact Valerie Geisendorfer, at vgeisendorfer@asnr.org or directly onsite.

***A message can also be left at the ASNR Registration Desk***

**Electronic Poster, and Electronic Education Exhibits Location and Hours:**

*Hall C (Convention Level)*

- Monday, June 4 through Wednesday, June 6 | 6:30am – 9:00pm
- Thursday, June 7 | 6:30am – 9:00pm

It is suggested that all presenters review their exhibits/posters in Hall C, prior to Monday, June 4 to check/view their presentations. For changes to your presentation visit Hall C.
Continuing Medical Education (CME)

TAKE YOUR OFFICIAL CONTINUING MEDICAL EDUCATION (CME) CERTIFICATE HOME WITH YOU!

To print out the official CME certificate for the number of hours claimed during The Foundation of the ASNR Symposium 2018 and ASNR 56th Annual Meeting, go to any terminal in the e-Access and follow the simple directions for printing out an official The Foundation of the ASNR Symposium 2018 and ASNR 56th Annual Meeting CME Certificate.

Please Note: Due to the availability of CME certificates online, certificates will not be mailed to attendees.

LETTER OF ATTENDANCE

If you wish to obtain a Letter of Attendance, please request one at the Registration Desk located at Convention Lobby of the Vancouver Convention Centre East.

CONTINUING THIS YEAR!

Evaluations available online with remote access 24/7 through the meeting at https://ww3.aievolution.com/asn1801/ until Monday, June 25, 2018 to evaluate.

CME Instructions

1. Go to https://ww3.aievolution.com/asn1801/ and login using your username and password
2. You will land on your My Credits page
3. From this page, you can search events or browse the sessions to find the sessions you attended
4. One you find the session you attended, select Add Credit from the left side of the screen. This will bring you into the confirmation of credits and evaluation for that session. Complete the confirmation and evaluate the session to claim your credit.
5. Once you have completed step 4, you will be returned to the My Credits Page. From here you can email or print your certificate. You will be prompted to complete the meeting evaluation before your certificate will be available to print. You will only have to complete the meeting evaluation one time.

e-Access

Sponsored by the Philips Healthcare - Elition MRI

Evaluations can be completed at the end of a session, during breaks, at the end of the day or the end of the week, as well as on your personal device at https://ww3.aievolution.com/asn1801/. You will be able to view a record of the sessions you have evaluated and the number of CME credit hours earned throughout the program. Print your certificate and transcript to take home with you.

Please Note: To receive CME credit for sessions attended at The Foundation of the ASNR Symposium 2018 and ASNR 56th Annual Meeting, all evaluations must be entered by June 25, 2018.
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.

The American Society of Neuroradiology designates this live activity for a maximum of 12.75 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Foundation of the ASNR Symposium 2018 will focus on adding value and improving healthcare in neuroradiology. It will center on how neuroimaging adds value in many subspecialty areas, including brain, spine, head & neck, pediatric and neurointerventional procedures. The target audience will include practicing neuroradiologists, other radiologists charged with interpreting neuroimaging studies, radiology fellows and residents, neuroscientists interested in the latest advances, and non-radiology colleagues whose practices include neuroimaging. Dedicated topic areas include screening and diagnostic neuroimaging, evidence based neurointerventional treatment, emergency neuroimaging use and usefulness, advanced imaging strategies, and healthcare reform.

• Discuss neuroimaging adding value in clinical care by improving health outcomes and healthcare delivery.
• Explore the extensive utilization of neuroimaging in the emergency setting.
• Diagnose low back pain and recommend other spine imaging and interventions.
• Report on incidental findings and how to manage follow-up evaluations.
• Review normal imaging and understand how negative exams are identified as positive results for patients.
• Evaluate head and neck imaging and determine patient management and treatment.
• Describe ways to improve quality and safety in pediatric neuroimaging.
• Review methods to improve patient outcomes utilizing advanced neuroimaging.
• Discuss the meaning and future of healthcare reform for Neuroradiologists.
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 28.0 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

TARGET AUDIENCE
ASNR 56th Annual Meeting is the premiere Neuroradiology meeting in the world. The target audience includes:

• Neuroradiologists in practice and research
• General radiologists who interpret neuroimaging studies
• Young Professionals, Trainees and Students
• Brain, Spine and Head & Neck imaging Scientists
• Non-radiology Physicians and Trainees from related disciplines
• Research Scientists

The ASNR 56th Annual Meeting is designed to help us deal with the healthcare challenges today and what’s new in the advancing field of neuroimaging. These challenges are seen in the clinical, scientific, educational and socio-economic arenas. A variety of learning formats will be offered, to allow for individual learning preferences, featuring educational focus sessions, parallel scientific paper presentations, electronic and traditional posters, Self-Assessment Modules (SAMs), interactive audience response for case-based learning and programming of particular interest to young professionals in training or early practice.
OBJECTIVES

• Discuss the value and future developments of the clinical fMRI service.
• Determine how healthcare reform is impacting Radiologists and Neuroradiologists today.
• Examine solutions for better healthcare while reviewing different payment modules.
• Identify the roles and devices of aneurysm treatment.
• Discuss the role of CT, CTA, Perfusion and Vessel Wall Imaging in acute ischemic stroke.
• Review imaging biomarkers in vascular diseases.
• Define and discuss current stroke therapy.
• Review artificial intelligence and machine learning in neuroimaging.
• Review the value of neuroimaging for psychiatric disorders.
• Define the value of imaging in spinal oncology.
• Explore ways to bring value to the imaging report.
• Review tools in Neuroradiology education and training.
• Define value in PET-MRI for neurological disorders.
• Learn about training across the education continuum.
• Comprehend the basis for and applications of Evidence-Based Medicine as applied to Neuroradiology.
• Identify safety and toxicity to the pediatric brain for MR imaging.
• Review the evidence of spinal interventions.
• Identify and discuss how radiologists are compensated around the world.
• Discuss the value of head and neck imaging in tumor staging.
• Review sinonasal cavity and anterior cranial base anatomy and pathology.
• Identify and discuss lifelong learning for Neuroradiologists.
• Discuss Gadolinium use in neuroimaging.
• Interpret cases in pediatric head & neck imaging.
• Define and discuss temporal bone imaging.
• Review best practices for Neuroradiologists in their early years of their career.
• Analyze imaging genomics for brain tumors.
• Identify social media tools to enhance Neuroradiology practice.
• Discuss vascular lesions in the head & neck.
Self-Assessment Modules (SAM) and Audience Response

**SYMPOSIUM**

Saturday, June 2  
(5:00pm-6:30pm)  
1.5hours

Sunday, June 3  
(10:30am-12:00pm)  
Sy5-Head & Neck Imaging: Changing Patient Management and Treatment (SAM)  
1.5hours

Sunday, June 3  
(1:15pm-3:15pm)  
Sy6-Pediatric Neuroimaging: Improving Quality & Safety (SAM)  
2hours

**ANNUAL MEETING**

Monday, June 4  
(7:00am-8:00am)  
02A-One Hour Sam Session: Brain (SAM)  
1hour

Monday, June 4  
(1:15pm-2:45pm)  
07A-SNIS programming: Stroke Therapy: Where Are We Now? (SAM)  
1.5hours

Monday, June 4  
(4:45pm-6:15pm)  
09A-Healthcare Policy Programming: Value Matters in Health Policy (SAM)  
1.5hours

Tuesday, June 5  
(10:30am-12:00pm)  
10A-One Hour Sam Session: Spine (SAM)  
1hour

Tuesday, June 5  
(1:15pm-2:45pm)  
14A-Education programming: Learn to Love Life Long Learning (SAM)  
1.5hours

Tuesday, June 5  
(4:45pm-6:15pm)  
16A-ASSR Programming: Spinal Interventions: Show Me the Evidence (SAM)  
1.5hours

Wednesday, June 6  
(7:00am-8:00am)  
17A-One Hour Sam Session: Forget K Space…This is the Case-Base! (SAM)  
1hour

Wednesday, June 6  
(10:30am-12:00pm)  
20A-ASFNR Programming: Value of 7T MRI for Neurological Disorders (SAM)  
1.5hours

Wednesday, June 6  
(1:15pm-2:45pm)  
21A-ASPNR Programming: Placenta and Imaging of the Immature Brain (SAM)  
1.5hours

Thursday, June 7  
(7:00am-8:00am)  
24A-One Hour Sam Session: Head and Neck Cases: Everybody’s Favorite! (SAM)  
1.5hours

Thursday, June 7  
(10:30am-12:00pm)  
27A-ASHNR Programming: Update on Vascular Lesions of the Head & Neck (SAM)  
1.5hours

This SAM meets the ABR’s criteria for self-assessment CME (SA-CME) in the ABR Maintenance of Certification program. This SAM will earn the same number of SA-CME credits as the stated CME credits. Please login to myABR annually https://myabr.theabr.org to complete your MOC attestations with the American Board of Radiology. If you do not have an ABR login, please click on the Not Registered link to register your account or contact the ABR at 520-519-5152 for assistance.

Audience Response (AR) Session Wednesday, June 6 (4:45pm – 6:15pm)  
23A-ASPNR Programming: Pediatric Cased Based Session (AR): Case Review Series Pediatric Head and Neck
The Foundation of the ASNR Symposium 2018

DAY 1 - SATURDAY, JUNE 2, 2018

SY1
1:00pm – 3:00pm
Do No Harm: The Importance of Incidental Findings
Location: Hall A
Moderators: Erin Simon Schwartz, MD, FACR and Jeffrey S. Ross, MD
1:00 PM - 1:30 PM
Costs of Incidental Findings: Mannerism in Radiology
Faculty: David J. Seidenwurm, MD, FACR
1:30 PM - 2:00 PM
BRAIN: Incidental or Not: You Know It When You See It
Faculty: Robert E. Watson, MD, PhD
2:00 PM - 2:30 PM
SPINE: Incidental or Not: Get Famous Calling Stuff Normal
Faculty: Robert E. Morales, MD
2:30 PM - 3:00 PM
HEAD & NECK: Silence Can be Golden
Faculty: Suresh Mukherji, MD, MBA, FACR

3:00pm – 3:30pm
Afternoon Beverage Break
Ballroom A

SY2
3:30pm – 5:00pm
New (and Improved?) Spine Imaging and Interventions - What You Should Know
Location: Hall A
Moderators: Jeffrey G. Jarvik, MD, MPH and David Kallmes, MD
3:30 PM - 4:00 PM
Evidence for Non-surgical Treatment of Back Pain
Faculty: Janna Friedly, MD
4:00 PM - 4:20 PM
Intrathecal Gad for Spine Imaging - Safety, Risks and Benefits
Faculty: Bradley Buchbinder, MD
4:20 PM - 4:40 PM
Evidence for Spine DTI and How To Do It Well
Faculty: Mahmud Mossa-Basha, MD
4:40 PM - 5:00 PM
Treating Headache (Wait, That’s Not a Spine Topic): Targeted Blood Patching Technique and Evidence
Faculty: Peter Kranz, MD
DAY 1 - SATURDAY, JUNE 2, 2018

SY3
5:00pm – 6:30pm
Location: Hall A
(Convention Level)

Emergency Neuroimaging:
What? When? and Why? (SAM)
Moderators: Robert M. Barr, MD, FACR and Amy L. Kotsenas, MD, FACR

5:00 PM - 5:20 PM
Use and Usefulness of Emergency Neuroimaging
Faculty: Danny Hughes, PhD

5:20 PM - 5:40 PM
How Much Imaging is Critical to Stroke Care?
Faculty: Howard A. Rowley, MD

5:40 PM - 6:00 PM
Head Trauma: Rules of Engagement
Faculty: Christopher T. Whitlow, MD, PhD, MHA

6:00 PM - 6:20 PM
Syncope and Dizziness:
When and How Much to Image?
Faculty: Pamela W. Schaefer, MD

6:20 PM - 6:30 PM
SAM Questions & Answers

DAY 2 - SUNDAY, JUNE 3, 2018

SY4
6:30am – 8:00am
Breakfast
Ballroom A
(Convention Level)

Don't Underestimate the Value of Normal Imaging Exams: Turning Negative Exams into Positive Results!
Moderators: William D. Donovan, MD, MPH, FACR and Rona Woldenberg, MD

7:30 AM - 7:50 AM
Cervical Spine Imaging in Mild Trauma: Is It All Just A Pain in the Neck?
Faculty: Gordon K. Sze, MD, FACR

7:50 AM - 8:10 AM
How Much Imaging is Needed in the Work-up of Intracranial Hemorrhage?
Faculty: Michael H. Lev, MD, FACR, FAHA

8:10 AM - 8:30 AM
Imaging in Headache:
Why Do We Continue To Do It?
Faculty: John E. Jordan, MD, FACR

8:30 AM - 8:50 AM
Neuroimaging and Other Biomarkers in the Workup of Dementia: The Value of Negative Tests
Faculty: Jeffrey R. Petrella, MD
<table>
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<th>Time</th>
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| 9:00am – 10:00am   | **How-To Session**  
                     *This session is supported by an unrestricted grant from Bayer.*  
                     The Value of Gadolinium Contrast: Past, Present and Future  
                     Faculty: Jennifer L. Becker, MD |
| 10:00am – 10:30am  | **Morning Beverage Break**                                         |
| 10:30am – 12:00pm  | **Head & Neck Imaging: Changing Patient Management and Treatment (SAM)**  
                     Moderators: Yoshimi Anzai, MD, MPH and Laurie A. Loevner, MD, FACR  
                     Doctors' Doctor - Value Added Head & Neck Radiologists  
                     Faculty: Christine M. Glastonbury, MBBS  
                     String of Pearls Around the Neck: Key Imaging to Add More Value  
                     Faculty: Nancy J. Fischbein, MD  
                     Patients' Doctor-Patient Centered Head and Neck Imaging - It Takes a Village  
                     Faculty: Patricia A. Hudgins, MD  
                     Embrace the Power of Imaging - Where You Can Make A Difference  
                     Faculty: Richard H. Wiggins III, MD  
                     SAM Questions & Answers |
| 11:30am – 1:30pm   | **Lunch**                                                        |
| 1:15pm – 3:15pm    | **Pediatric Neuroimaging: Improving Quality & Safety (SAM)**  
                     Moderators: Raymond K. Tu, MD, MD, FACR and Tina Young Poussaint, MD  
                     Rapid Pediatric MRI: Finding the Just Right Protocol  
                     Faculty: Gregory D. Avey, MD |
DAY 2 - SUNDAY, JUNE 3, 2018 - SY6 Continued

1:35 PM - 1:55 PM  Radiation and Anesthesia: Dialing Down the Dose in Pediatrics
Faculty: Dennis W. Shaw, MD

1:55 PM - 2:05 PM  Gadolinium Deposition Review: State of the Art
Faculty: Donna R. Roberts, MD

2:15 PM - 2:35 PM  Impact of Health Care Reform on Pediatric Neuroradiology
Faculty: Richard L. Robertson, MD

2:35 PM - 2:55 PM  Age of Precision Medicine in Pediatric Neuroradiology
Faculty: Susan Palasis, MD

3:05 PM - 3:15 PM  SAM Questions & Answers

3:15 pm – 3:45pm  **Afternoon Beverage Break**

3:45pm – 5:15pm  Does Advanced Imaging Really Improve Outcomes?
Location: Hall A
(Convention Level)

3:45 PM - 4:08 PM  Looking Back How Advanced Imaging Has Improved Healthcare and Patient Outcomes
Faculty: Max Wintermark, MD

4:08 PM - 4:31 PM  Wait, Not Yet...Lessons Learned and New Discoveries Still In-Progress
Faculty: Pratik Mukherjee, MD, PhD

4:31 PM - 4:55 PM  Challenges in Incorporating Innovations in Practice: Are We Moving Too Fast?
Faculty: Alexander M. Norbash, MD

4:55 PM - 5:15 PM  Panel Discussion
Faculty: Timothy P. L. Roberts, PhD
Alexander M. Norbash, MD, Max Wintermark, MD
The Foundation of the ASNR Symposium 2018

Pratik Mukherjee, MD, PhD

**DAY 2: SUNDAY, JUNE 3, 2018**

**SY8**

**5:15pm – 6:30pm**

**Location: Hall A**

*(Convention Level)*

**Deciphering the Current Healthcare Landscape: Hear from the Experts**

Moderators: Jacqueline A. Bello, MD and Patrick A. Turski, MD, FACR

**5:15 PM - 5:25 PM**

**Healthcare Reform and ACA**

Faculty: Joshua A. Hirsch, MD, FACR, FSIR, FSNIS

**5:25 PM - 5:45 PM**

**MACRA and RUC: All You Need to Know**

Faculty: Gregory Nicola, MD

**5:45 PM - 6:30 PM**

**Panel Discussion**

Faculty: Robert M. Barr, MD, FACR, David I. Seidenwurm, MD, FACR, Danny R. Hughes, PhD, William D. Donovan, MD, MPH, FACR, Geraldine B. McGinty, MD, MBA

**6:30pm-7:30pm**

**Symposium Reception**

*Location: Pan Pacific – Crystal Pavilion*

*(Lobby Level)*
MONDAY JUNE 4TH, 2018

6:00 AM - 6:45 AM
Breakfast
Ballroom A
(Convention Level)

6:55 AM - 7:00 AM
01A-Opening Remarks
Pina C Sanelli, MD

Room: Hall A
(Convention Level)

7:00 AM - 8:00 AM
02A-One Hour SAM Session: Brain (SAM) (AR)
Moderators: Noriko Salamon and Jeremy J. Heit, MD, PhD

Room: Hall A
(Convention Level)

7:00 AM - 7:25 AM
Sustain the Brain: Intriguing Neoplastic, Infectious Inflammatory Cases
Behroze Vachha DR, MD, PHD

7:25 AM - 7:50 AM
Sustain the Brain: Intriguing Cerebrovascular Cases
Pamela W. Schaefer, MD

7:50 AM - 8:00 AM
SAM Questions and Answers

8:00 AM - 9:00 AM
03A-Keynote Speaker: The Radiology Renaissance: Shaping the Future of Healthcare
Introduction: Pina C. Sanelli, MD
Keynote Speaker: Andy DeLaO

9:10 AM - 10:00 AM
04A-Gadolinium Deposition in Clinical Practice: What Does it Mean for my Patients?
This session is supported by an unrestricted grant from Applied Radiology Expert Forums
Donna R. Roberts, MD
Alexander Radbruch, MD, JD

10:00 AM - 10:30 AM
Morning Beverage Break

10:30 AM - 12:00 PM
05A-ASFNR Programming: Value of Clinical fMRI Service
Moderators: Haris Sair, MD and Timothy P.L. Roberts, PhD

Room: Hall A
(Convention Level)

10:30 AM - 10:50 AM
The Economics of Clinical fMRI Service
Jay J. Pillai, MD
MONDAY JUNE 4TH, 2018 - 05A Continued

10:50 AM - 11:10 AM  Why I Need fMRI: Neurosurgeon’s Perspective  
Chetan Bettegowda, MD, PhD

11:10 AM - 11:30 AM  Interpretation of fMRI to Optimize Value for  
Neurosurgeons  
Kirk M. Welker, MD

11:30 AM - 11:50 AM  More Value? Future Developments in  
Clinical Functional MRI  
Andrei I. Holodny, MD

1:50 AM - 12:00 PM  Panel Discussion

10:30 AM - 12:00 PM  Room: Ballroom C  
05B-Healthcare Policy Programming:  
Alternative Payment Models and the  
Diagnostic Radiology  
Moderators: Melissa Chen, MD and  
Gregory N. Nicola, MD

10:30 AM - 10:55 AM  Alternative Payment Models: Current and Future  
Opportunities for the Diagnostic Radiologist  
Joshua A. Hirsch, MD, FACR, FSIR, FSNIS

10:55 AM - 11:20 AM  Harvey Neiman Health Policy Institute Update  
on Resources for Radiologists Participating in  
a APM  
Danny R. Hughes, PhD

11:20 AM - 11:45 AM  Lessons Learned from the Physician-Focused  
Payment Model Technical Advisory Panel for  
the Radiologist  
Lauren Golding, MD, Triad Radiology Associates

11:45 AM - 12:00 PM  Panel Discussion

10:30 AM - 12:00 PM  Room: Ballroom B  
05C-SNIS Programming: Coils, Pipes and  
Webs: State of the Art Treatment  
Moderators: Edward A. Michals, MD and  
Gregory G. Zaharchuk, MD, PhD

10:30 AM - 10:55 AM  Novel Aneurysm Treatment Devices:  
Why, When and How?  
TBD
### MONDAY JUNE 4TH, 2018 - 05C Continued

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:55 AM - 11:20 AM</td>
<td>Imaging Post Intra-Arterial Device Treatment</td>
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<td>Reade De Leacy, MD</td>
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<td>11:20 AM - 11:45 AM</td>
<td>An Update on Embolization Treatment of dAVF and AVM</td>
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<td>Cameron G. McDougall, MD</td>
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<tr>
<td>11:45 AM - 12:00 PM</td>
<td>Discussion</td>
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<tr>
<td>10:30 AM - 12:00 PM</td>
<td>05D-Parallel Paper Session: Stroke Treatment Strategies</td>
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<tr>
<td></td>
<td>Moderators: Christopher P. Hess, MD and</td>
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<td>Nancy J. Benedetti, MD</td>
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<tr>
<td>10:30 AM - 12:00 PM</td>
<td>05E-Parallel Paper Session: Advanced Techniques in Brain Tumor Imaging I</td>
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<td>Moderators: Rivka R. Colen, MD and</td>
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<td>Arindam Rano Chatterjee, MD</td>
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<td>10:30 AM - 12:00 PM</td>
<td>05F-Excerpta: Adult Brain: Degenerative and Inflammatory, Infectious Disease</td>
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<td>Moderators: Anne G. Osborn, MD and</td>
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<td>Benjamin White, MD</td>
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<tr>
<td>10:30 AM - 12:00 PM</td>
<td>05G-Parallel Paper Session: Education and Training</td>
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<td>Moderators: Anandh Rajamohan, MD and</td>
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<td>James C. Anderson, MD</td>
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<tr>
<td>11:30 AM - 1:15 PM</td>
<td>Lunch</td>
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<tr>
<td>1:00 PM - 1:08 PM</td>
<td>07A-SNIS Programming: Stroke Therapy: Where Are We Now? (SAM) (AR)</td>
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<td>Moderators: Mahesh V. Jayaraman, MD and</td>
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<td>Guilherme Dabus, MD</td>
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<td>1:15 PM - 2:45 PM</td>
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<td>1:15 PM - 1:35 PM</td>
<td>What We Know: Show Me the Evidence</td>
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<td>Ryan McTaggart, MD</td>
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</table>
MONDAY JUNE 4TH, 2018 - 07A Continued

1:35 PM - 1:55 PM  What We Don't Know and Future Directions
                   Mayank Goyal, MD, FRCPC

1:55 PM - 2:15 PM  Value in Vessel Imaging in All Stroke Patients
                   Thabele M. Leslie-Mazwi, MD

2:15 PM - 2:35 PM  TIA Imaging and Beyond
                   Gregory G. Zaharchuk, MD, PhD

2:35 PM - 2:45 PM  SAM Questions and Answers

1:15 PM - 2:45 PM  07B-ASSR Programming: Spinal Imaging:
                   State of the Art and Beyond
                   Room: Ballroom C
                   (Convention Level)
                   Moderators: Gregory J. Lawler, MD and
                               Nikdokht Farid, MD

1:15 PM - 1:30 PM  Spectral CT/Dual Energy CT
                   John L. Go, MD, FACR

1:30 PM - 1:45 PM  DWI & Perfusion Imaging
                   Adam E. Flanders, MD

1:45 PM - 2:00 PM  Spinal Angiography
                   Philippe E. Gailloud, MD

2:00 PM - 2:15 PM  MRA & CTA
                   Roland R. Lee, MD, FACR

2:15 PM - 2:30 PM  MR Neurography
                   Cynthia T. Chin, MD

2:30 PM - 2:45 PM  Discussion

1:15 PM - 2:45 PM  07C-CSI Programming: Artificial
                   Intelligence and Machine Learning
                   Room: Ballroom B
                   (Convention Level)
                   Moderator: Edward H. Herskovits, MD, PhD

1:15 PM - 1:35 PM  Basic Overview
                   Tim O’Connell, MD

1:35 PM - 1:55 PM  The MGH ER Experience
                   Michael H. Lev, MD, FACR, FAHA

1:55 PM - 2:15 PM  ACR Assist and Artificial Intelligence
                   Sumit N. Niogi, MD, PhD

2:15 PM - 2:35 PM  Radiometric and Artificial Intelligence
                   Christopher T. Whitlow, MD, PhD, MHA

2:35 PM - 2:45 PM  Discussion
MONDAY JUNE 4TH, 2018

1:15 PM - 2:45 PM  
07D-ESNR Programming: Imaging Biomarkers in Vascular Diseases  
Moderators: Osamu Sakai, MD, PhD and Alex Rovira, MD

1:15 PM - 1:45 PM  
Small Vessel Diseases  
Meike Vernooji, MD, PhD

1:45 PM - 2:15 PM  
Cerebral Microbleeds and Cortical Superficial Siderosis  
Prof. H. Rolf Jager

2:15 PM - 2:45 PM  
Brain Aneurysms  
Ajay Malhotra, MD

1:15 PM - 2:45 PM  
07E-Parallel Paper Session: Advanced Techniques in Brain Tumor Imaging II  
Moderators: Kevin A. Hsu, MD and John D. Port, MD, PhD

1:15 PM - 2:45 PM  
07F-Parallel Paper Session: Epilepsy Imaging Techniques  
Moderators: Jana Ivanidze, MD, PhD and Ramin R. Sakit, MD

1:15 PM - 2:45 PM  
07G-Parallel Paper Session: Imaging Neurodegenerative Diseases  
Moderators: Gordon K. Sze, MD, FACR and Neil Uttam Lall, MD

2:45 PM - 3:00 PM  
Afternoon Beverage Break  
Room: Hall B  
(Convention Level)

3:00 PM - 4:30 PM  
08A-Evidence Based Medicine Programming: Comparative Effective Research Training (CERT)  
Moderators: Annette J. Johnson, MD, MS and J. Paul Jacobson

3:00 PM - 3:15 PM  
What is Comparative Effective Research and Why Is It Vital to the Future of Neuroradiology  
Pina C Sanelli, MD
### MONDAY JUNE 4TH, 2018 - 08A Continued

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Moderators</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:15 PM - 3:30 PM</td>
<td>Overview of the RSNA-ASNR Comparative Effective Research Training Program</td>
<td>Room: Ballroom C</td>
<td>Yoshimi Anzai, MD, MPH</td>
</tr>
<tr>
<td>3:30 PM - 4:30 PM</td>
<td>Panel Discussion: What Did We Get Out of the CERT Program?</td>
<td>Room: Meeting Room 11/12</td>
<td>Ajay Malhotra, MD, Lubdha M. Shah, MD, Prakash Muthusami, MBBS, MD, PDCC, Timothy J. Amrhein, MD</td>
</tr>
<tr>
<td>3:00 PM - 4:30 PM</td>
<td>08B-Parallel Paper Session: New Findings in Multiple Sclerosis</td>
<td>Room: Ballroom C</td>
<td>Gloria Chiang, MD, Joel R. Meyer, MD</td>
</tr>
<tr>
<td>3:00 PM - 4:30 PM</td>
<td>08C-Parallel Paper Session: Pediatric Imaging</td>
<td>Room: Ballroom B</td>
<td>Kambiz Nael, MD, Susan Palasis, MD</td>
</tr>
<tr>
<td>3:00 PM - 4:30 PM</td>
<td>08D-Parallel Paper Session: Spine Interventions</td>
<td>Room: Meeting Room 1</td>
<td>Courtney M. Tomblinson, MD, Patricia A. Hadgins, MD</td>
</tr>
<tr>
<td>3:00 PM - 4:30 PM</td>
<td>08E-Parallel Paper Session: Cerebral Aneurysms Management and Treatment</td>
<td>Room: Meeting Room 11/12</td>
<td>Daniel Mandell, MD, PhD, FRCPC, Jana Ivanidze, MD, PhD</td>
</tr>
<tr>
<td>3:00 PM - 4:30 PM</td>
<td>08F-Excerpta: Adult Brain: Infectious Disease/Vascular Diagnosis and Neoplasms</td>
<td>Room: Meeting Room 8/15</td>
<td>Reza Forghani, MD, PhD, TBD</td>
</tr>
<tr>
<td>3:00 PM - 4:30 PM</td>
<td>08G-Parallel Paper Session: Brain: New and Advanced Techniques</td>
<td>Room: Meeting Room 2/3</td>
<td>Daniel P. Barboriak, MD, Mai-Lan Ho, MD</td>
</tr>
</tbody>
</table>
MONDAY JUNE 4TH, 2018 - 09A Continued

4:45 PM - 5:10 PM  Radiologists' Initiatives and Services for Creating Value - Value Matters
Geraldine B. McGinty, MD, MBA

5:10 PM - 5:35 PM  Marketing Value from the Radiologist's Perspective
Frank J. Lexa VII, MD, MBA, FACR

5:35 PM - 6:00 PM  Value Perspectives and Controversies: A Closer Look
John E. Jordan, MD

6:00 PM - 6:15 PM  SAM Questions and Answers

4:45 PM - 6:15 PM  09B-ASFNR Programming: Value of Neuorimaging for Psychiatric Disorders
Room: Ballroom C
(Convention Level)
Moraders: Jay Phai, MD and TBD

4:45 PM - 5:05 PM  Using Genetic Animal Models of Neuropsychiatric Disease to Dissect the Contributions of Genetic and Environmental Factors to Psychiatric Disorders
John-Paul J. Yu, MD, PhD

5:05 PM - 5:25 PM  Role of Neuroimaging for Schizophrenia
John D. Port, MD, PhD

5:25 PM - 5:45 PM  Computational Approach in Neuropsychiatric Imaging/Data Repository
R. Cameron Craddock, PhD

5:45 PM - 6:05 PM  Translation of Advanced Neuroimaging for Psychiatric Diseases to the Clinics
Leanne Williams, PhD

6:05 PM - 6:15 PM  Panel Discussion

4:45 PM - 6:15 PM  09C-Canadian Session: Comparing Current Physician (Fee for Service) Payment Systems Between Canada and the USA
Room: Ballroom B
(Convention Level)
Moderators: William D. Miller, MD and Joshua A. Hirsch, MD, FACR, FSIR, FSNIS
### MONDAY JUNE 4TH, 2018 - 09C Continued

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>4:45 PM - 5:10 PM</td>
<td>Fee for Service Radiology, A Look at Private Payers and Government Based Insurance &lt;br&gt; Raymond K. Tu, MD, FACR</td>
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<tr>
<td>5:10 PM - 5:35 PM</td>
<td>Alternative Payments Models for the Radiologists: Present and Future &lt;br&gt; Melissa Chen, MD</td>
</tr>
<tr>
<td>5:35 PM - 6:00 PM</td>
<td>Fees for Service and Models of The Radiologist from a Canadian Expert &lt;br&gt; Jason Sutherland, PhD, MSc</td>
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<tr>
<td>6:00 PM - 6:15 PM</td>
<td>Panel Discussion</td>
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<tr>
<td><strong>4:45 PM - 6:15 PM</strong></td>
<td><strong>09D-Evidence Based Medicine</strong></td>
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<tr>
<td>Room: Meeting Room 1</td>
<td>Programming: Gadolinium in Neuroimaging: To Give or Not to Give - What is the Evidence? &lt;br&gt; Moderators: TBD and TBD</td>
</tr>
<tr>
<td>(Meeting Room Level)</td>
<td>4:45 PM - 5:05 PM Gadolinium Deposition in the Brain-Reason for Concern? Risk Benefit Assessment &lt;br&gt; Howard Rowley, MD</td>
</tr>
<tr>
<td>5:05 PM - 5:25 PM</td>
<td>The Indications of Gadolinium Administration in the Brain - What is the Evidence? &lt;br&gt; Emanuel Kanal, MD</td>
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<tr>
<td>5:25 PM - 5:45 PM</td>
<td>The Indications of Gadolinium Administration in the Spine - What is the Evidence? &lt;br&gt; Lubdha M. Shah, MD</td>
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<td>5:45 PM - 6:05 PM</td>
<td>Gadolinium Administration for Pediatric and Lactating Patients &lt;br&gt; Susan Palasis, MD</td>
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<td>6:05 PM - 6:15 PM</td>
<td>Discussion</td>
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<tr>
<td><strong>4:45 PM - 6:15 PM</strong></td>
<td><strong>09E-Study Group (non-cme)</strong></td>
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<tr>
<td>Room: Meeting Room 11/12</td>
<td>(Meeting Room Level)</td>
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MONDAY JUNE 4TH, 2018
4:45 PM - 6:15 PM
Room: Meeting Room 8/15
(Meeting Room Level)

09F-Parallel Paper Session:
Spine: New Findings
Moderators: Wende N. Gibbs, MD, MA and
Adam E. Flanders, MD

09G-Parallel Paper Session: Interventional:
Aneurysms, AVMs and Tumors
Moderators: Gloria J. Gozman, MD and
Christopher G. Filippi, MD

6:15 PM - 7:30 PM
Room: Exhibit Hall B
(Convention Level)

Annual Meeting Reception with Technical Exhibitors
**TUESDAY JUNE 5TH, 2018**

**5:30 AM - 8:00 AM**

*Breakfast*

*Ballroom A*

*(Convention Level)*

**7:00 AM - 8:00 AM**

*10A-One Hour SAM Session: Spine (SAM) (AR)*

Moderators: Carl E. Johnson, MD and William E. Mehan, Jr., MD

**Room: Hall A**

*(Convention Level)*

**7:00 AM - 7:25 AM**

*Refine the Spine: Amazing Pediatric Cases*

Erin Simon Schwartz, MD, FACR

**7:25 AM - 7:50 AM**

*Refine the Spine: Amazing Adult Cases*

Vinil N. Shah, MD

**8:00 AM - 9:00 AM**

*11A-Special Session: Past President's Perspective: Impactful Trends in Neuroradiology*

Moderators: Carolyn Cidis Meltzer, MD, FACR and Michael S. Huckman, MD

**Room: Hall A**

*(Convention Level)*

**8:00 AM - 8:10 AM**

*Welcome and Introductions*

Carolyn Cidis Meltzer, MD, FACR

**8:10 AM - 8:20 AM**

*Comments on 50+ Years of Society Leadership*

Michael S. Huckman, MD

**8:20 AM - 8:30 AM**

*Structure Diagnosis and Treatment*

Pamela W. Schaefer, MD

**8:30 AM - 8:40 AM**

*The Impact of Machine Learning on Neuroradiology Practice: What Have We to Fear?*

R. Nick Bryan, MD, PhD

**8:40 AM - 8:50 AM**

*Neuroradiology Education: From Testing to Life-Long Learning*

Robert D. Zimmerman, MD, FACR

**8:50 AM - 9:00 AM**

*Discussion*

**8:00 AM - 9:00 AM**

*11B-Parallel Paper Session: Computer Assisted and Deep Learning Methods in Stroke Imaging*

Moderators: Christopher P. Wood, MD and Sameer A Ansari, MD, PhD

**Room: Ballroom C**

*(Convention Level)*
TUESDAY JUNE 5TH, 2018

8:00 AM - 9:00 AM
Room: Ballroom B
(Convention Level)

11C-Parallel Paper Session: Brain: Traumatic Injury
Moderators: Christie M. Lincoln, MD and Asim Z. Mian, MD

8:00 AM - 9:00 AM
Room: Meeting Room 1
(Meeting Room Level)

11D-Parallel Paper Session: Imaging Brain Metastases
Moderators: Vaios Hatzoglou, MD and Robert J. McDonald, MD, PhD

8:00 AM - 9:00 AM
Room: Meeting Room 11/12
(Meeting Room Level)

11E-Parallel Paper Session: Brain: New Findings
Moderators: Charles L. Truwit, MD, HCMC and Elizabeth S. Lustrin, MD

8:00 AM - 9:00 AM
Room: Meeting Room 8/15
(Meeting Room Level)

11F-Parallel Paper Session: Pediatric: Advanced Techniques I
Moderators: Judith A. Gadde, DO, MSH and Camilla E. Lindan, MD

9:10 AM - 10:00 AM
Room: Hall A
(Convention Level)

12A-GBCA Use in Neuroradiology: What’s New?
This session is supported by an unrestricted grant by NW Imaging Forums.
Emanuel Kanal, MD, FACR, FISMRM, MRMD, AANG
Howard A. Rowley, MD

10:00 AM - 10:30 AM
Ballroom A
(Convention Level)

10:30 AM - 12:00 PM
Room: Hall A
(Convention Level)

13A-SNIS Programming: Novel Neurovascular Imaging Techniques
Moderator: Philip M. Meyers, MD, FACR, FSIR, FAHA
Cerebral Perfusion Imaging in Acute Ischemic Stroke: Beyond Dynamic Contrast Susceptibility Imaging
Jeremy J. Heit, MD, PhD

10:50 AM - 11:10 AM
Vessel Wall Imaging for ICAD, etc
Sameer A. Ansari, MD, PhD

11:10 AM - 11:30 AM
Intracranial Flow Analysis with Perfusion (CT/MR)
Jeffrey L. Saver, MD

11:30 AM - 11:50 AM
Intracranial Velocity Analysis (MR Based)
Waleed Brinjikji, MD
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<tr>
<td>10:30 AM - 12:00 PM</td>
<td><strong>13B-ASSR Programming: How To Improve the Value of Imaging in Spinal Oncology</strong></td>
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<tr>
<td><strong>Room: Ballroom C</strong></td>
<td>(Convention Level)</td>
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<tr>
<td>10:30 AM - 10:55 AM</td>
<td>Critical Imaging Findings for Clinical Management of Adults with Spinal Metastases</td>
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<td>Wende N. Gibbs, MD, MA</td>
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<td>10:55 AM - 11:20 AM</td>
<td>Multimodal Advanced Imaging of the Spine</td>
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<td>Lawrence N. Tanenbaum, MD, FACR</td>
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<td>11:20 AM - 11:45 AM</td>
<td>Can Artificial Intelligence Help Us Improve Diagnostic Accuracy for Metastases?</td>
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<td>Richard H. Wiggins III, MD</td>
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<td>11:45 AM - 12:00 PM</td>
<td>Panel Discussion</td>
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<tr>
<td><strong>10:30 AM - 12:00 PM</strong></td>
<td><strong>13C-Advanced Imaging Programming</strong></td>
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<tr>
<td><strong>Room: Ballroom B</strong></td>
<td>(Convention Level)</td>
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<tr>
<td>10:30 AM - 11:00 AM</td>
<td>Multimodal Imaging of Brain Structure and Function</td>
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<td>Jeffrey I. Berman, PhD</td>
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<td>11:00 AM - 11:30 AM</td>
<td>Accelerating Edited MRS</td>
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<td>Richard A.E. Edden, MSc, PhD</td>
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<td>11:30 AM - 12:00 PM</td>
<td>Putting It All Together-Comprehensive Imaging of Genetic Syndromes</td>
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<td>Elliott Sherr, MD</td>
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<td><strong>10:30 AM - 12:00 PM</strong></td>
<td><strong>13D-Young Professional Programming: Bring Value to Our Imaging Reports</strong></td>
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<td><strong>Room: Meeting Room 1</strong></td>
<td>(Meeting Room Level)</td>
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<tr>
<td>10:30 AM - 10:50 AM</td>
<td>Reporting in Traumatic Brain Injury</td>
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<td>Yvonne W. Lui, MD</td>
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<td>10:50 AM - 11:10 AM</td>
<td>Reporting in Head &amp; Neck Cancer Staging</td>
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<td>Claudia F.E. Kirsch, MD</td>
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<tr>
<td>11:10 AM - 11:30 AM</td>
<td>Reporting in Back Pain Patients</td>
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<td>Amish Doshi, MD</td>
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</table>
TUESDAY JUNE 5TH, 2018 - 13D Continued

11:30 AM - 11:50 AM  How Can Structured Reporting Assist in Adding Value?
Annette J. Johnson, MD, MS

11:50 AM - 12:00 PM  Discussion

10:30 AM - 12:00 PM  Room: Meeting Room 11/12
(Meeting Room Level)
13E-Parallel Paper Session: Policy and Quality
Moderators: Carolyn Cidis Meltzer, MD, FACR and Jerrold Boxerman, MD, PhD

10:30 AM - 12:00 PM  Room: Meeting Room 8/15
(Meeting Room Level)
13F-Excerpta: Neoplasms, Stroke and Interventional
Moderators: Mauricio Castillo, MD, FACR and Valerie Stine, MD

10:30 AM - 12:00 PM  Room: Meeting Room 2/3
(Meeting Room Level)
13G-Parallel Paper Session: Pediatric: Developmental and Congenital
Moderators: Gilbert Vezina, MD and Francisco A. Perez, MD, PhD

11:30 AM - 1:15 PM  Exhibit Hall B
(Convention Level)
Lunch

1:00 PM - 1:08 PM  Room: Hall A
(Convention Level)
Neuro MRI with Philips Compressed SENSE
This session is supported by an unrestricted grant from Philips.

TBD

1:15 PM - 2:45 PM  Room: Hall A
(Convention Level)
14A-Education Programming: Learning to Love Life Long Learning (SAM) (AR)
Moderators: TBD and TBD

1:15 PM - 1:35 PM  Cool Teaching Tools and Techniques
Harprit S. Bedi, MD

1:35 PM - 1:55 PM  Neuroradiology Education Update
Christie M. Lincoln, MD

1:55 PM - 2:15 PM  Fellow View of Neuroradiology, Teaching, Jobs and Opportunities
Matthew H. Kulzer, MD
Barton F. Branstetter IV, MD
Vikas Agarwal, MD
### 14B-ASFNR Programming: Value of PET-MRI for Neurological Disorders

**Room: Ballroom C**  
(Convention Level)

<table>
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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>1:15 PM - 1:35 PM</td>
<td>PET/MRI for Cerebrovascular Disease</td>
<td>Gregory G. Zaharchuk, MD, PhD</td>
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<tr>
<td>1:35 PM - 1:55 PM</td>
<td>PET/MRI as a First Line Imaging Modality for Epilepsy</td>
<td>Derek Richard Johnson, MD</td>
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<tr>
<td>1:55 PM - 2:15 PM</td>
<td>PET/MRI in the Work-up of Dementia</td>
<td>Timothy M. Shepherd, MD/PhD</td>
</tr>
<tr>
<td>2:15 PM - 2:35 PM</td>
<td>PET/MRI for Brain Tumors</td>
<td>Jonathan E. McConathy, MD, PhD</td>
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<tr>
<td>2:35 PM - 2:45 PM</td>
<td>Discussion</td>
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### 14C-Evidence Based Medicine Programming: Speed Journal Club in Neuroimaging: What are the "Hot Topics" You Should Know

**Room: Ballroom B**  
(Convention Level)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:15 PM - 1:30 PM</td>
<td>Brain I-Brain Tumors</td>
<td>Andrei I. Holodny, MD</td>
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<tr>
<td>1:30 PM - 1:45 PM</td>
<td>Brain II-Traumatic Brain Injury</td>
<td>Christopher G. Filippi, MD</td>
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<tr>
<td>1:45 PM - 2:00 PM</td>
<td>Spine</td>
<td>Peter G. Kranz, MD</td>
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<tr>
<td>2:00 PM - 2:15 PM</td>
<td>Head and Neck</td>
<td>Eugene Yu, MD</td>
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<tr>
<td>2:15 PM - 2:30 PM</td>
<td>Pediatrics</td>
<td>David M. Mirsky, MD</td>
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<tr>
<td>2:30 PM - 2:45 PM</td>
<td>Neuro Interventional</td>
<td>Matthew D. Alexander, MD</td>
</tr>
</tbody>
</table>
14D-ASSR Programming:
International Review:
State-of-the-Art Spinal Interventions
Moderators: Allan L. Brooks, MD, FSIR and TBD

1:15 PM - 1:30 PM
MR Evaluation of LBP-Valuable and Appropriate for the Right Patients
Johan W. Van Goethem, MD, PhD

1:30 PM - 1:45 PM
RF Ablation and Cryoablation for Treatment of Vertebral Joint Pain
Stefano Marcia

1:45 PM - 2:00 PM
Pulsed Radiofrequency Stimulation for Pain Syndromes
Salvo A. Masala, MD

2:00 PM - 2:15 PM
Advanced Ablation and Augmentation for Treatment of Spinal Metastases
Mario Muto, MD

2:15 PM - 2:30 PM
CT Guided Treatment of Spinal Canal and Foraminal Stenosis
Luigi Manfre, MD

2:30 PM - 2:45 PM
Discussion

14E-SILAN Programming: Update on CNS Infections in the 21st Century:
What You Need to Know!
Moderators: Rafael Rojas, MD and TBD

1:15 PM - 1:55 PM
Neuroimaging Findings of Congenital Zika Virus Syndrome: The History of the Disease that is Still Being Written
Maria de Fatima Vasco Aragao, MD, PhD

1:35 PM - 1:55 PM
The Many Faces of Bacterial CNS Infections: Unusual Suspects and Beyond!
Carlos H. Torres, MD, FRCPC
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>1:55 PM - 2:15 PM</td>
<td>Imaging of Parasitic Infections of the CNS</td>
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<tr>
<td></td>
<td>Lazaro L.F. Amaral, MD</td>
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<tr>
<td>2:15 PM - 2:35 PM</td>
<td>Update on PML Infection in the 21st Century</td>
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<td>Alex Rovira, MD</td>
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<td>2:35 PM - 2:45 PM</td>
<td>Discussion</td>
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<tr>
<td>1:15 PM - 2:46 PM</td>
<td>14F-Parallel Paper Sessions:</td>
</tr>
<tr>
<td></td>
<td>Skull Base and Sinus</td>
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<td>Moderators: Nancy J. Fischbein, MD and Kristien Lloyd Bairgnon, MD</td>
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<tr>
<td>1:15 PM - 2:45 PM</td>
<td>14G-Parallel Paper Session:</td>
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<tr>
<td></td>
<td>Fetal Brain Imaging</td>
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<td>Moderators: Kim M. Cecil, PhD and Thierry A.G.M. Huisman, MD</td>
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<tr>
<td>2:45 PM - 3:00 PM</td>
<td>Afternoon Beverage Break</td>
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<tr>
<td>3:00 PM - 4:30 PM</td>
<td>15A-Parallel Paper Session: Head and Neck: New (Techniques) and Deep (Spaces)</td>
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<td>Moderators: William P. Dijxxxxxx and Karen L. Salzman, MD</td>
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<td>3:00 PM - 4:30 PM</td>
<td>15B-Parallel Paper Session: Pediatrics: New Findings</td>
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<td>Moderators: Caroline D. Robson, MB, ChB and TBD</td>
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<tr>
<td>3:00 PM - 4:30 PM</td>
<td>15C-Parallel Paper Session: Spine: Advanced Techniques</td>
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<td>Moderators: Jeffrey S. Ross, MD and Arthur Wong, MD</td>
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<td>3:00 PM - 4:30 PM</td>
<td>15D-Parallel Paper Session: Interventional: Stroke Trials</td>
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<td>Moderators: Matthew Alexander, MD and Bruno A. Policeno, MD</td>
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<tr>
<td>Time</td>
<td>Session</td>
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| 3:00 PM - 4:30 PM | **15E-Parallel Paper Session:** Deep Learning Techniques and Methods  
Moderators: Arastoo Vossough, PhD, MD and Jennifer L. Becker, MD | Meeting Room 11/12 (Meeting Room Level)          |
| 3:00 PM - 4:30 PM | **15F-Parallel Paper Session:** Brain Tumor Imaging: New Findings  
Moderator: Robert J. Young, MD and Linda J. Bagley, MD | Meeting Room 8/15 (Meeting Room Level)           |
| 3:00 PM - 4:30 PM | **15G-Parallel Paper Session:** Brain: Inflammatory and Infectious Diseases  
Moderators: Osamu Sakai, MD, PhD and TBD | Meeting Room 2/3 (Meeting Room Level)            |
| 4:45 PM - 6:15 PM | **16A-ASSR Programming:** Spinal Interventions: Show Me the Evidence (SAM) (AR)  
Moderators: Mario Mento, MD and TBD | Hall A (Convention Level)                         |
| 4:45 PM - 5:00 PM | Evidence Based Medicine for PVA in 2018  
Michele H. Johnson, MD |                                                    |
| 5:00 PM - 5:15 PM | Evidence Based Medicine MILD returns to the Armamentarium  
John D. Barr, MD, FACR, FSIR, FAHA |                                                    |
| 5:15 PM - 5:30 PM | Evidence Based Medicine for ESI  
Walter S Barynski, MD |                                                    |
| 5:30 PM - 5:45 PM | Evidence Based Medicine Basi-Vertebral Nerve Ablation  
Dan Nguyen, MD |                                                    |
| 5:45 PM - 6:00 PM | Evidence Based Medicine HIFU for Facet Pain  
Lubdha M. Shah, MD |                                                    |
| 6:00 PM - 6:15 PM | SAM Questions and Answers |                                                    |
| 4:45 PM - 6:15 PM | **16B-Comparative Effectiveness Research Session:** Optimal Imaging of Acute Ischemic Stroke - Evidence Updates for the Era of Mechanical Thrombectomy  
Moderator: Ajay Meholtia, MD and TBD | Ballroom C (Convention Level)                     |
TUESDAY JUNE 5TH, 2018 - 16B Continued

4:45 PM - 5:05 PM  What is the Role of CT and CTA Imaging for Acute Ischemic Stroke
Marish Joshi, MD, PhD, FRCPC

5:05 PM - 5:25 PM  What is the Role of the MRI in the Assessment of Acute Ischemic Stroke?
Max Wintermark, MD

5:25 PM - 5:45 PM  What is the Role of Perfusion and Collateral Imaging in Acute Ischemic Stroke?
Achala S. Vagal, MD

5:45 PM - 6:05 PM  What is the Role of Vessel Wall Imaging in Acute Ischemic Stroke?
Mahmud Mossa-Basha, MD

6:05 PM - 6:15 PM  Discussion

4:45 PM - 6:15 PM  16C-ASPNR/ESNR Collaboration Session: Safety and Toxicity to the Pediatric Brain
Room: Ballroom B (Convention Level)
Moderator: Ashok Panigrahy, MD

Emanuel Kanal, MD

5:10 PM - 5:30 PM  Updates in Toxic and Metabolic Disorders in the Pediatric Brain
Thierry A G M Huisman, MD

5:30 PM - 5:50 PM  Rapid Imaging Protocol and Leveraging MR Fingerprinting Techniques in Pediatric Neuroradiology
Giulio Zuccoli, MD

5:50 PM - 6:10 PM  Speed Versus Information and Safety Issues in Fetal MRI
Andrea Righini, MD

6:10 PM - 6:15 PM  Discussion
TUESDAY JUNE 5TH, 2018

4:45 PM - 6:15 PM
Room: Meeting Room 1
(Meeting Room Level)

16D-Parallel Paper Session: Advanced Diagnostic Techniques in Cerebral Aneurysms and AVMs
Moderators: Prakash Muthusami, MBBS, MD, PDCC and Robert D. Zimmerman, MD, FACR

4:45 PM - 6:15 PM
Room: Meeting Room 11/12
(Meeting Room Level)

16E-Study Group (non-cme)

4:45 PM - 6:15 PM
Room: Meeting Room 8/15
(Meeting Room Level)

16F-Excerptas: Pediatric Head & Neck
Moderators: Susan T. Sotardi, MD, MS and Timothy N. Booth, MD

4:45 PM - 6:15 PM
Room: Meeting Room 2/3
(Meeting Room Level)

16G-Parallel Paper Session: Brain Tumors: New Diagnostic Considerations I
Moderator: Lawrence N. Tanenbaum, MD, FACR and Lex A. Mitchell, MD
<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>5:30 AM - 7:00 AM</td>
<td>Breakfast</td>
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<td>Ballroom A</td>
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<td>(Convention Level)</td>
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<td>7:00 AM - 8:00 AM</td>
<td>17A-One Hour SAM Session - Forget K Space, This is Case Base! (SAM) (AR)</td>
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<td>Moderators: Wende N. Gibbs, MD, MA and TBD</td>
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<tr>
<td>7:00 AM - 7:25 AM</td>
<td>(Hopefully) Interesting Cases</td>
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<td>Joshua P. Nickerson, MD</td>
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<tr>
<td>7:25 AM - 7:50 AM</td>
<td>Interesting Cases II</td>
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<td>Mark E. Mullins, MD, PhD</td>
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<td>7:50 AM - 8:00 AM</td>
<td>SAM Questions and Answers</td>
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<td>8:00 AM - 9:00 AM</td>
<td>18A-Special Session: Brain in Flame: Pathology and Imaging of Noninfectious CNS Inflammation</td>
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<td>Moderators: Anne G. Osborn, MD and TBD</td>
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<td>8:00 AM - 9:00 AM</td>
<td>18B-Parallel Paper Session: Cerebrovascular Imaging: New</td>
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<td>Moderators: Bing Wang, MD and Andrew Steven, MD</td>
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<td>8:00 AM - 9:00 AM</td>
<td>18C-Parallel Paper Session: Spine: Fluoroscopy-Guided Techniques</td>
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<td>Moderators: Walter S. Bartynski, MD and Miriam Peckham, MD</td>
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<td>8:00 AM - 9:00 AM</td>
<td>18D-Parallel Paper Session: Vessel Wall Imaging: Advanced Techniques</td>
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<td>Moderators: TBD and TBD</td>
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<td>8:00 AM - 9:00 AM</td>
<td>18E-Parallel Paper Session: Carotid Artery Stenosis Imaging</td>
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<td>Moderators: Edward D. Greenberg, MD and Theodore C. Larson, III, MD</td>
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### WEDNESDAY, JUNE 6TH, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 8:00 AM - 9:00 AM | **18F-Parallel Paper Session:** **Gadolinium Effects in the Brain**  
**Room:** Meeting Room 8/15  
**Moderators:** Yvonne W. Lui, MD and John E. Jordan, MD |
| 8:00 AM - 9:00 AM | **18G-CSF Flow Group: Chiari I (Part I)**  
**Room:** Meeting Room 2/3  
**Moderators:** Harold L. Rekate, MD and TBD |
| 8:00 AM - 8:25 AM | **8:00 AM - 8:25 AM**  
**Chiari Definition, Cranio cervical Junction**  
A. James Barkovich, MD |
| 8:25 AM - 8:50 AM | **8:25 AM - 8:50 AM**  
**CSF Dynamics in the Pathogenesis of Syringomyelia**  
Victor M. Haughton, MD |
| 8:50 AM - 9:00 AM | **Discussion** |
| 9:10 AM - 10:00 AM | **19A-How to Incorporate the New Stroke Imaging Guidelines Into Your Practice Selection of Stroke Patients for Late Window Thrombectom y: What Do the New Guidelines Recommend?**  
**This session is supported by an unrestricted grant from Rapid.**  
**Moderators:** Greg Albers, MD and TBD  
**Panelists:** Jeremy Heit, MD, PhD  
Howard Rowley, MD  
Achala Vagal, MD |
| 10:00 AM - 10:30 AM | **Morning Beverage Break** |
| 10:30 AM - 12:00 PM | **20A-ASFNR Programming: Value of 7T MRI for Neurological Disorders (SAM) (AR)**  
**Moderators:** TBD and TBD |
| 10:30 AM - 10:50 AM | **Overview of Clinical Uses of 7T**  
Stephen E Jones, MD, PhD |
| 10:50 AM - 11:10 AM | **7T for Alzheimer's Disease**  
Michael Zeineh, MD, PhD |
WEDNESDAY, JUNE 6TH, 2018 - 20A Continued

11:10 AM - 11:30 AM    7T for Epilepsy
Ali R. Khan, PhD

11:30 AM - 11:50 AM    7T Functional MRI
Steven M. Stufflebeam, MD

11:50 AM - 12:00 PM    SAM Questions and Answers

10:30 AM - 12:00 PM    20B-ASNRSNMMI (Society of Nuclear Medicine and Molecular Imaging) Collaboration Session: Emerging Frontiers for PET of the Brain
Moderators: TBD and TBD

10:30 AM - 11:00 AM    PET Tau and Amyloid Imaging
John Seibyl, MD

11:00 AM - 11:30 AM    PET for Neuroinflammation
Robert B. Innis, MD, PhD

11:30 AM - 12:00 PM    PET/MRI for the Brain
Jonathan E. McConathy, MD, PhD

10:30 AM - 12:00 PM    20C-Healthcare Policy Programming: How Radiologists are Paid Around the World
Moderators: Danny Mardell, MD and TBD

10:30 AM - 10:50 AM    Canadian Perspective
Allan J. Fox, MD, FRCPC, FACR

10:50 AM - 11:10 AM    Europe
O. Petter Eldevik, MD, PhD

11:10 AM - 11:30 AM    Australia
Simon R. Khangure Dr, MBBS, BMedSc, FRANZCR

11:30 AM - 11:50 AM    South America
Luiz Celso Hygino da Cruz, MD, PhD

11:50 AM - 12:00 PM    Panel Discussion

10:30 AM - 12:00 PM    20D-Parallel Paper Session - Jaw, Neck and Orbit
**20E-AOSNHNR Programming: From BBB, Vessel Wall and PVS to Glymphatic System**

Moderators: Wan-Yuo Guo, MD, PhD and Yukunori Korogi, MD, PhD and Kook Jin Ahn, MD

**10:30 AM - 10:50 AM**

Vessel Wall Imaging and Neurovascular Diseases

Dittapong Songsaeng, MD, MSc

**10:50 AM - 11:10 AM**

High Resolution Vessel Wall Imaging of Vertebrobasilar Stenosis: Diagnosis and Endovascular Management

Moderators: Feng Chi Chang, MD and TBD

**11:10 AM - 11:30 AM**

DCE Application for BBB Evaluation

Seung Hong Choi, MD

**11:30 AM - 11:50 AM**

Controversies on Glymphatic Systems

Toshiaki Taoka, MD, PhD

**11:50 AM - 12:00 PM**

Discussion

**20F-Excerpta: Spine**

Moderators: Mariza O Clement, MD, MSE and William Keyes, MD

**10:30 AM - 12:00 PM**

20G-CSF Flow Group: Chiari I (Part II)

Moderators: Ari M. Blitz, MD and TBD

**10:30 AM - 11:00 AM**

The Chiari Anomaly

Concezio di Rocco, MD

**11:00 AM - 11:30 AM**

The Chiari Deformation

Charles Raybaud, MB, ChB, MD, FRCPC

**11:30 AM - 12:00 PM**

Clinical Assessment of Chiari I

Ash Singhal, BSc MSc MD FRCSC

**20G-CSF Flow Group: Chiari I (Part II)**

Moderators: Ari M. Blitz, MD and TBD

**10:30 AM - 11:00 AM**

The Chiari Anomaly

Concezio di Rocco, MD
WEDNESDAY, JUNE 6TH, 2018 - 20G Continued

11:00 AM - 11:30 AM
The Chiari Deformation
Charles Raybaud, MB, ChB, MD, FRCPC

11:30 AM - 12:00 PM
Clinical Assessment of Chiari I
Ash Singhal, BSc MSc MD FRCSC

11:30 AM - 1:15 PM
Exhibit Hall B
Lunch
(Convention Level)

12:15 PM - 1:15 PM
ASPNR Business Meeting
Room: Room 15
(Meeting Room Level)

1:00 PM - 1:08 PM
Philips MR in Neuro Oncology – 3D APT
(Amide Proton Transfer)
This session is supported by an unrestricted grant from Philips.
TBD

1:15 PM - 2:45 PM
21A-ASPNR Programming: Placenta and Imaging of the Immature Brain (SAM) (AR)
Moderators: Arastoa Vossough, MD and TBD

1:15 PM - 1:35 PM
A Primer of Fetal Neuroimaging: Value Added
Orit A. Glenn, MD

1:35 PM - 1:55 PM
Twin Gestational Pregnancies: Imaging the Immature Brain and Placental Correlates
Beth M. Kline-Fath

1:55 PM - 2:15 PM
Infection and the Immature Brain: Placental Correlates and Advanced Ultrasound Imaging
Denise Pugash, BSc, MD, CM, FRCPC

2:15 PM - 2:35 PM
Clinical Value and Counselling of Patients in Relation to Fetal and Neonatal Neuroimaging
Dawn Gano, MD, MAS

2:35 PM - 2:45 PM
SAM Questions and Answers
WEDNESDAY, JUNE 6TH, 2018

1:15 PM - 2:45 PM
21B-ASHNR Programming:
Radiologist Value in Head and Neck Tumor Staging
Moderators: TBD and TBD

1:15 PM - 1:35 PM
The New AJCC 8th Edition: Changes from the 7th with Emphasis on Critical Imaging Contributions
Lawrence Ginsberg, MD

1:35 PM - 1:55 PM
CT or MRI or PET/CT? Value Added Cancer Imaging Optimized for Head and Neck Site
Barton F. Branstetter IV, MD

1:55 PM - 2:15 PM
NIRADS: Structured Reporting for Head and Neck Cancer
Kristen Lloyd Baugnon, MD

2:15 PM - 2:35 PM
Radiologist Participation in Tumor Boards and Other Clinical Conferences: Is There A Viable Reimbursement Model?
Christine M. Glastonbury, MBBS

2:35 PM - 2:45 PM
Discussion

1:15 PM - 2:45 PM
21C-Evidence Based Medicine Programming: Introductions to CER Methods
Moderators: TBD and TBD

1:15 PM - 1:35 PM
Systematic Review and MetaAnalysis
Ajay Gupta, MD

1:35 PM - 1:55 PM
Decision-Analysis and Cost-Effectiveness Analysis
Ankur Pandya, PhD, MPH

1:55 PM - 2:15 PM
Using Big Data in Comparative Effectiveness Research
Jeffrey G. Jarvik, MD, MPH
WEDNESDAY, JUNE 6TH, 2018 - 21C Continued

2:15 PM - 2:35 PM
Applications of CER: Building a Clinical Care Pathway
Maria (Gabriela) Martinez, PhD

2:35 PM - 2:45 PM
Discussion

1:15 PM - 2:45 PM
21D-Parallel Paper Session: Advanced Techniques in Quantitative Imaging
Moderators: Mykol Larvic, MD and Whitney B. Pope

1:15 PM - 2:45 PM
21E-Parallel Paper Session - Decision Support, Value, and Safety
Moderator: Ryan B. Peterson, MD and TBD

1:15 PM - 2:45 PM
21F-Parallel Paper Session - Head and Neck: Congenital, Salivary, and Temporal Bone
Moderator: C. Douglas Phillips, MD and TBD

1:15 PM - 2:45 PM
21G-CSF Flow Group: Hydrocephalus
Moderators: Frank Mihlon, MD and TBD

1:15 PM - 1:35 PM
Classification of Hydrocephalus
Ari M. Blitz, MD

1:35 PM - 1:55 PM
The Effect of Shunt Failure and Revision on Brain Stiffness
Mark Wagshul, PhD

1:55 PM - 2:15 PM
MR Elastography Differentiates NPH from the Other Common Dementias
John Huston III, MD

2:15 PM - 2:35 PM
Advanced Neuroimaging in Infant Ferrets with Post-Hemorrhagic Hydrocephalus
James P. (Pat) McAllister II, PhD

2:35 PM - 2:45 PM
Discussion

2:45 PM - 3:00 PM
Afternoon Beverage Break
Room: Hall B
(Convention Level)
22A-ASHNR Programming: Value-Added Imaging of the Sinonasal Cavity and Anterior Cranial Base
Moderators: TBD and TBD

3:00 PM - 3:20 PM
Chronic Rhinosinusitis: What Do Our Referrers Want to Know
C. Douglas Phillips, MD, FACR

3:20 PM - 3:40 PM
Imaging Red Flags in Acute and Aggressive Sinonasal Inflammatory Diseases
Daniel E. Meltzer, MD

3:40 PM - 4:00 PM
Sinonasal Tumors with Emphasis on Resectability Determination
Laurie A. Loevner, MD

4:00 PM - 4:20 PM
Imaging Guidance CT in Sinonasal and Cranial Base Tumors: Where Can We Add Value to Our Reports?
Ilona M. Schmalfuss, MD

4:20 PM - 4:30 PM
Discussion

22B-CSI Programming: Virtual Lifelong Learning for the Neuroradiologist
Moderators: John L. Go, MD and TBD

3:00 PM - 3:20 PM
Social Media: Podcasts
Nicholas A. Kootz, MD

3:20 PM - 3:40 PM
Online Teaching Files
Ryan B. Peterson, MD

3:40 PM - 4:00 PM
3D Virtual Radiology
Justin Cramer, MD

4:00 PM - 4:30 PM
ABR, MOC and CAQ Panel
Vincent P. Mathews, MD
Christopher P. Wood, MD
### Session Schedule

**WEDNESDAY, JUNE 6TH, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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| 3:00 PM - 4:30 PM | **22C-Special Session: Subspeciality & Regional Society Papers, Cornelius G. Dyke Memorial Award, The Foundation of the ASNＲ Papers**  
*Room: Ballroom B  
(Convention Level)*  
Moderator: Laurie A. Loeuner, MD |
| 3:00 PM - 3:10 PM | Awards Announcements |
| 3:10 PM - 3:20 PM | Norman E. Leeds Award (ESNR) - Evaluation of White Matter Integrity in Multiple Sclerosis with Advanced MRI Techniques  
Fang F. Yu, MD |
| 3:20 PM - 3:30 PM | Stephen A. Kieffer Award-Best Mentor Paper (ESNR)-Automated Detection of Volume-Changing Metastatic Brain Tumors on Longitudinal Brain MRIs Based on Jacobian Operator Field  
Omid Shearkhani, MD |
| 3:30 PM - 3:40 PM | Louis A. Gilula, MD Mentor Award (ASSR)-Implementation of Evidence-based Appropriateness Guidelines for Epidural Steroid Injection for Patients with Chronic Low Back  
Scott M. Johnson, MD |
| 3:40 PM - 3:50 PM | Gabriel H. Wilson Award (WNRS) |
| 3:50 PM - 4:00 PM | 2018 Cornelius G. Dyke Memorial Award |
| 3:00 PM - 4:30 PM | **22D-Parallel Paper Session - Pediatric: Advanced Techniques**  
*Room: Meeting Room 1  
(Meeting Room Level)*  
Moderators: Rafael Cechin, MD and Blaise Jones, MD |
| 3:00 PM - 4:30 PM | **22E-Parallel Paper Session: Brain Tumors: New Diagnostic Considerations II**  
*Room: Meeting Room 11/12  
(Meeting Room Level)*  
Moderators: TBD and TBD |
| 3:00 PM - 4:30 PM | **22F-Excerpta: Pediatrics and Head & Neck Cases**  
*Room: Meeting Room 8/15  
(Meeting Room Level)*  
Moderators: Thierry A.G.M. Huismer, MD and TBD |
### 22G-CSF Flow Group: CSF Pulsatility

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<th>Time</th>
<th>Session</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>3:00 PM - 3:20 PM</td>
<td>Morphology of DTI Profiles in MPH</td>
<td>Nicole Keong, MBBS, MPH, MD</td>
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<tr>
<td>3:20 PM - 3:40 PM</td>
<td>Accumulation Visco-Elastic Hypothesis for the Onset of Normal Pressure</td>
<td>Juan C. Lasheras, PhD</td>
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<tr>
<td>3:40 PM - 4:00 PM</td>
<td>Intracranial Pulsatility and CSF Flow in NPH</td>
<td>Per Kristian Eide, MD, PhD</td>
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<tr>
<td>4:00 PM - 4:20 PM</td>
<td>Separating the Effects of Pulsation and Resistance to Flow in Hydrocephalus</td>
<td>Harold L. Rekate, MD</td>
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### 23A-ASPNR Programming: Pediatric Cased Based Session (AR): Case Review Series Pediatric Head and Neck

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<th>Time</th>
<th>Session</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>4:45 PM - 5:05 PM</td>
<td>Cystic Lesions and Neoplasms in Pediatric Head and Neck</td>
<td>Caroline D. Robson, MB, ChB</td>
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<tr>
<td>5:05 PM - 5:25 PM</td>
<td>Pediatric Temporal Bone</td>
<td>Timothy N Booth, MD</td>
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<tr>
<td>5:25 PM - 5:45 PM</td>
<td>Vascular Anomalies in Pediatric Head and Neck</td>
<td>Aylin Tekes-Brady, MD</td>
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<tr>
<td>5:45 PM - 6:05 PM</td>
<td>Fetal Head and Neck and Orbital Imaging</td>
<td>Ashley J. Robinson, MB, CHB</td>
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### 23B-ASHNR Programming: Temporal Bone Imaging: The Basics

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<tr>
<th>Time</th>
<th>Session</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:45 PM - 5:15 PM</td>
<td>Temporal Bone Anatomy and Traum</td>
<td>Tabassum A. Kennedy, MD</td>
</tr>
</tbody>
</table>
WEDNESDAY, JUNE 6TH, 2018 - 23B Continued

5:15 PM - 5:45 PM  
Temporal Bone Inflammatory  
John I. Lane, MD

5:45 PM - 6:15 PM  
Tumors of the Temporal Bone  
Hugh D. Curtin, MD, FACR

4:45 PM - 6:15 PM  
23C-Young Professional Programming: 
Non-Clinical Advice for Early Career Neuroradiologists  
Moderators: TBD and TBD

4:45 PM - 5:15 PM  
Managing Work-Life Balance: Pearls and Pitfalls  
Gul Moonis, MD, MB, BS

5:15 PM - 5:45 PM  
Burn-out Phenomenon: How Does It Affect the New Generation of Radiologists?  
Bryan A. Pukenas, MD

5:45 PM - 6:15 PM  
Value of Professional Networking  
Edward P. Quigley, MD, PhD

4:45 PM - 6:15 PM  
23D-Parallel Paper Session: Applications of Functional MR  
Moderators: Astrok Srinivasan, MD and Kirk M. Welker, MD

4:45 PM - 6:15 PM  
23E-Study Group (non-CME)

4:45 PM - 6:15 PM  
23F-Parallel Paper Session: Stroke Imaging: Diagnosis and Prognosis  
Moderators: Achala S. Vagal, MD and TBD

4:45 PM - 6:15 PM  
23G-CSF Flow Group: CNS Solute Transport (Part I)  
Moderator: Vartan Kurtwoglu, MD

4:45 PM - 5:05 PM  
Modeling of Perivascular Flow  
Lynne Bilston, MD

5:05 PM - 5:25 PM  
Numerical Modeling Predicts that Basement Membrane Solute Transport in the CNS Cannot be Explained by Bulk Flow Nor By Shear  
M. Keith Sharp, ScD
WEDNESDAY, JUNE 6TH, 2018 - 23G Continued

5:25 PM - 5:45 PM  
Human and Non-human Primate Meninges Harbor Lymphatic Vessels That Can Be Visualized Non-invasively by MRI  
Daniel S. Reich, MD, PhD

5:45 PM - 6:05 PM  
Outflow of CSF is Predominantly Through Lymphatic Vessels in Mice  
Steven Proulx, PhD

6:05 PM - 6:15 PM  
Discussion

6:15 PM - 6:45 PM  
ASN R Business Meeting  
Strategic Plan Update  
Hall A  
(Convention Level)
THURSDAY, JUNE 7TH, 2018

6:00 AM - 8:00 AM

**Breakfast**

Ballroom A
(Convention Level)

7:00 AM - 8:00 AM

**24A-One Hour SAM Session: Head and Neck Cases: Everybody's Favorite (SAM) (AR)**

Moderators: TBD and TBD

7:00 AM - 7:25 AM

Orbits, Sinonasal Cavity, Skull Base
Tabassum A. Kennedy, MD

7:25 AM - 7:50 AM

Neck Cases
Ilona M. Schmalfuss, MD

7:50 AM - 8:00 AM

SAM Questions & Answers

8:00 AM - 9:00 AM

**25A-General Programming: Value of Imaging Genomics for Brain Tumors**

Moderator: Daniel S Chow, MD

8:00 AM - 8:10 AM

From Genomics to Advanced "Oomics" - A Primer for the Neuroimager
James Y. Chen, MD

8:10 AM - 8:20 AM

Imaging Genomics and Radiomics in GBM and Brain Metastases
Rivka R. Colen, MD

8:20 AM - 8:30 AM

Biostatistical and Bioinformatic Approach in Imaging Genomics
Olivier Gevaert, PhD

8:30 AM - 8:40 AM

Deep Learning Approaches in Imaging
Adam E. Flanders, MD

8:40 AM - 9:00 AM

Discussion

8:00 AM - 9:00 AM

**25B-Young Professional Programming:**

Leveraging Social Media to Enhance Neuroradiology

Room: Ballroom C
(Convention Level)

8:00 AM - 8:15 AM

Networking/Stay Connected to Colleagues
Jennifer McCarty, MD

8:15 AM - 8:30 AM

Medical Education
Judith A Gadde, DO
THURSDAY, JUNE 7TH, 2018 - 25B Continued

8:30 AM - 8:45 AM                    Do's and Don't of Social Media
TBD

8:45 AM - 9:00 AM                    Discussion

8:00 AM - 9:00 AM                    25C-Parallel Paper Session: Imaging
Room: Ballroom B
(Convention Level)
Utilization and Population Health Outcomes in Acute Stroke
Allan L. Brook, MD, FSIR and TBD

8:00 AM - 9:00 AM                    25D-Parallel Paper Session: Interventional:
Room: Meeting Room 1
(Meeting Room Level)
Aneurysms and AVMs
Moderator: Jai Shankar, MD and Edward D. Greenberg, MD

8:00 AM - 9:00 AM                    25E-Parallel Paper Session: Interventional:
Room: Meeting Room 11/12
(Meeting Room Level)
Advanced Techniques
Moderators: Todd R. Peebles, MD and TBD

8:00 AM - 9:00 AM                    25G-CSF Flow Group: CNS Solute Transport
Room: Meeting Room 2/3
(Meeting Room Level)
(Part II)
Moderator: Bryn A. Martin, PhD

8:00 AM - 8:20 AM                    Modelling Cerebral Interstitial Flows and Their Failure in Alzheimer's Disease
Roxana Ndea, PhD, BSc, MSc

8:20 AM - 8:40 AM                    Anatomy and Physiology of Cerebral Intramural Periarterial Drainage
TBD

8:40 AM - 9:00 AM                    Next Steps in the Study of CNS Solute Transport
Vartan Kurtcuoglu, PhD

9:10 AM - 10:00 AM                    Genesis Stroke Capabilities
Room: Hall A
(Convention Level)
This session is supported by an unrestricted grant from Canon Medical Systems
Kenneth V. Snyder, MD, PhD

10:00 AM - 10:30 AM                    Morning Beverage Break
Ballroom A
(Convention Level)
### 27A-ASHNR Programming: Update on Vascular Lesions of the Head & Neck (SAM) (AR)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 AM</td>
<td>Review of Modern Classification and Nomenclature of Vasoformative Lesions</td>
<td>Deborah R. Shatzkes, MD</td>
</tr>
<tr>
<td>10:50 AM</td>
<td>Imaging of Hemangiomas and Related Vascular Tumors</td>
<td>Bernadette L. Koch, MD</td>
</tr>
<tr>
<td>11:10 AM</td>
<td>Imaging of Vascular Malformations</td>
<td>Ashok Srinivasan, MD</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Neurointervention in the Management of Head and Neck Vascular Lesions</td>
<td>Alejandro Berenstein, MD</td>
</tr>
<tr>
<td>11:50 AM</td>
<td>SAM Questions and Answers</td>
<td></td>
</tr>
</tbody>
</table>

### 27B-ASPNR Programming: Healthcare Artificial Intelligence and Application to Pediatric Neuroradiology

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 AM</td>
<td>Artificial Intelligence: Hype, Myth and How It Will Add Value to Your Practice</td>
<td>Eliot L. Siegel, MD</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Top of License Practice for Machines: The Impending of Artificial Intelligence and Machine Learning on Healthcare Delivery</td>
<td>Daniel J. Durand, MD</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>A Basic Primer of Machine Learning for the Pediatric Neuroradiologist</td>
<td>Rafael Ceschin, PhD</td>
</tr>
</tbody>
</table>
27C-CSI Programming: Adding Value as a Neuroradiologist
Moderators: Adam E. Flanders, MD and Vaies Hatzoglou, MD

10:30 AM - 10:55 AM
3D Printing
Jonathan M. Morris, MD

10:55 AM - 11:25 AM
Structured Reporting - Is it Time for Everyone to Jump on Board?
Barton F. Branstetter IV, MD

11:30 AM - 11:50 AM
Managing Errors in Diagnosis and Management
Jay Acharya, MD

11:55 AM - 12:00 PM
Discussion

27D-Parallel Paper Session: Updates in Interventional Neuro
Moderators: Michele H. Johnson, MD and TBD

10:30 AM - 12:00 PM
27E-Parallel Paper Session: Quantitative Imaging: Advanced Techniques and Methods
Moderators: Jacqueline A. Belle, MD, FACR and TBD

10:30 AM - 12:00 PM
27G-CSF Flow Group: CSF Flow
Moderators: Mark Wagshul, PhD and TBD

10:30 AM - 10:50 AM
ICP Modeling During Infusion Test
Vegard Vinje, PhD

10:50 AM - 11:10 AM
CSF Flow Verses Cerebral Blood Flow
Olivier Balédent

11:10 AM - 11:30 AM
Volumetric Assessment of IIH
Claudia F.E. Kirsch, MD

11:30 AM - 11:50 AM
Steady Streaming: Computational Fluid Dynamics Predicts Non-Zero Time-Averaged Intrathecal CSF Flow
Bryn A. Martin, PhD

11:50 AM - 12:00 PM
Discussion
MONDAY, JUNE 4
Room #

05D-PARALLEL PAPER SESSION: STROKE TREATMENT STRATEGIES

O-01 • 10:30:00 AM • Endovascular Treatment for Acute Ischaemic Stroke in Routine Clinical Practice: Results from the MR CLEAN Registry

O-02 • 10:37:00 AM • Impact of Endovascular Recanalization in Patients with Low Initial ASPECTS Score on Edema Formation and Clinical Outcome in Acute Anterior Circulation Strokes

O-03 • 10:44:00 AM • Thrombus Perviousness in Endovascular and Intravenous Treatment for Acute Ischemic Stroke: Analysis of the HERMES Collaboration Data

O-04 • 10:51:00 AM • Endovascular Management of Acute Stroke in the Elderly: A Systematic Review and Meta-Analysis

O-05 • 0:58:00 AM • Drip-and-Ship Vs. Mothership: Conditional Probability Modelling for Patients with Suspected Large Vessel Occlusion

O-06 • 11:05:00 AM • Drip-and-Ship Vs. Mothership: A Comparison of Two Different Conditional Probability Models

O-07 • 11:12:00 AM • Drip-and-Ship Vs. Mothership: The Effect of Large-Vessel Occlusion Screening Tools on Conditional Probability Modelling

MONDAY, JUNE 4
Room #

05E-PARALLEL PAPER SESSION: ADVANCED TECHNIQUES IN BRAIN TUMOR IMAGING I

O-08 • 11:19:00 AM • Drip-and-Ship Vs. Direct Transfer to Comprehensive Stroke Center: A Modelling-Based Analysis

O-09 • 11:26:00 AM • House Calls: New Generation Mobile Stroke Unit Brings CT into the Field Reducing Time to Diagnosis

O-10 • 11:33:00 AM • Modelling the Impact of Multiple Mobile Stroke Unit Surrounding a Metropolitan Area

O-11 • 11:40:00 AM • When Does Having a Mobile Stroke Unit Make Sense in a Metropolitan Area from a Patient-Outcome Perspective?

O-12 • 11:47:00 AM • Modelling the Impact of Mobile Stroke Unit Dispatcher Accuracy on Patient Outcomes
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-15</td>
<td>10:44:00 AM • Development and External Validation of Diffusion and Perfusion MR Radiomics Model as a Diagnostic Biomarker for Differentiating Between Pseudoprogession and True Progression in Patients with Newly Diagnosed Glioblastoma</td>
</tr>
<tr>
<td>O-16</td>
<td>10:51:00 AM • Radiogenomics Analysis of Tumor Hemodynamic Characteristic in Patients with Newly Diagnosed Glioblastomas: Combination with TCIA Database</td>
</tr>
<tr>
<td>O-17</td>
<td>10:58:00 AM • Quantitative Radiomics and Machine Learning to Distinguish True Progression from Pseudoprogession in Patients with GBM</td>
</tr>
<tr>
<td>O-18</td>
<td>11:05:00 AM • Genome-Wide Copy Number Abundance Correlation with Imaging Phenotype and Survival in IDH-Mutated Astrocytomas</td>
</tr>
<tr>
<td>O-19</td>
<td>11:12:00 AM • Can Preoperative Seizures Predict IDH Mutation?</td>
</tr>
<tr>
<td>O-20</td>
<td>11:19:00 AM • Prediction of 1p/19q Codeletion Status in IDH-mutant Low-Grade Gliomas: How Accurate Can the Neuroradiologist Be?</td>
</tr>
<tr>
<td>O-21</td>
<td>11:26:00 AM • Identification of IDH Mutant Glioblastomas by Using Diffusion and Perfusion MR Imaging</td>
</tr>
<tr>
<td>O-22</td>
<td>11:33:00 AM • Imaging Prediction of Isocitrate Dehydrogenase (IDH) Mutation in Patients with Glioma: A Systematic Review and Meta-Analysis</td>
</tr>
<tr>
<td>O-23</td>
<td>11:40:00 AM • Radiogenomic Analysis of TERT Promoter Mutation Status in IDH Wild-Type Glioblastoma: Assessing Differences in Imaging Phenotype and Quantitative Apparent Diffusion Coefficient</td>
</tr>
<tr>
<td>O-24</td>
<td>11:47:00 AM • Radiogenomic Analysis of TCGA-LGG Data Set and Automatic MRI Segmentation Illuminates Biologically Distinct Molecular Subsets and Pathways</td>
</tr>
</tbody>
</table>

**MONDAY, JUNE 4**

**Room #**

**05F-EXCERPTA: ADULT BRAIN: DEGENERATIVE AND INFLAMMATORY, INFECTIOUS DISEASE**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
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<tbody>
<tr>
<td>E-1</td>
<td>10:30:00 AM • Rare Case of Autoimmune GFAP Astrocytopathy Encephalomyelitis</td>
</tr>
<tr>
<td>E-2</td>
<td>10:34:00 AM • Capecitabine-Induced Leukoencephalopathy</td>
</tr>
<tr>
<td>E-3</td>
<td>10:38:00 AM • &quot;MDMA (3,4-Methylenedioxymethamphetamine) Overdose Causing Anoxic-Ischemic Encephalopathy&quot;</td>
</tr>
<tr>
<td>E-4</td>
<td>10:42:00 AM • CT and MRI Findings in Two Siblings with Pompe's Disease</td>
</tr>
<tr>
<td>E-5</td>
<td>10:47:00 AM • Case Report: A 53-Year-Old Female with History of Diabetes Mellitus Presents with Involuntary Movements</td>
</tr>
<tr>
<td>E-6</td>
<td>10:50:00 AM • Case Report: A 53-Year-Old Female with History of Diabetes Mellitus Presents with Involuntary Movements</td>
</tr>
<tr>
<td>E-7</td>
<td>10:54:00 AM • CNS Findings of Secondary Hemochromatosis in β Thalassemia</td>
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</table>
Parallel Scientific Paper Sessions At-A-Glance

E-8 • 10:58:00 AM • Wallerian Degeneration of the Splenium of the Corpus Callosum: MRI Findings and Symptoms

E-9 • 11:02:00 AM • How About DaT? A Rare Case of Young-Onset Parkinson Disease

E-10 • 11:06:00 AM • Unusual Imaging Findings in Chronic Hepatic Encephalopathy/Acquired Hepatocerebral Degeneration

E-11 • 11:10:00 AM • Beyond Dawson’s Fingers: Critical Findings Pointing to Multiple Sclerosis

E-12 • 11:14:00 AM • Ectopic Cerebellar Brain Parenchyma

E-13 • 11:18:00 AM • Multifocal Calvarial Tuberculosis Mimicking Metastatic Tumor

E-14 • 11:22:00 AM • Neuro-Behcet’s Disease Presenting with Mixed Parenchymal and Vascular Features

E-15 • 11:26:00 AM • Granulomatous Hypophysitis

E-16 • 11:30:00 AM • Autosomal Dominant TREX 1 Angiopathy: Imaging Findings with Histopathological Correlation

E-17 • 11:34:00 AM • An Unusual Manifestation of Tuberculosis with Isolated Skull-Base and Pachymeningeal Involvement

E-18 • 11:38:00 AM • Multimodality Imaging of Ipilimumab-Induced Hypophysitis in the Treatment of Metastatic Melanoma

E-19 • 11:42:00 AM • Neurosarcoidosis Mimicking Tumor on Conventional MR and Multiparametric Advanced Brain Imaging with Long-Term Follow-Up

E-20 • 11:46:00 AM • A Rare Case of Nonfatal Powassan Encephalitis in Northern New Jersey

MONDAY, JUNE 4
Room #

05G-PARALLEL PAPER SESSION: EDUCATION AND TRAINING

O-25 • 10:30:00 AM • Radiology Resident Boot Camp: Simulating the On-Call Experience Utilizing An Open-Source Web-Based Platform-Independent DICOM Viewer

O-26 • 10:37:00 AM • Beyond Static Pictures for Teaching Medical Imaging in the Age of Digital-Online Stroke Education and ASPECTS Training Website Revisited

O-27 • 10:44:00 AM • Development of a Customized Pediatric Neuroradiology Curriculum for Neuroradiology and General Pediatric Radiology Fellows Using an LMS (Learning Management System)

O-28 • 10:51:00 AM • Current Status of Training Environments in Neurointerventional Practice

O-29 • 10:58:00 AM • The Unseen AJNR Twitter Impact: A “Silent” but Active Twitter Following

O-30 • 11:05:00 AM • "Clinical, Demographic and Technical Predictors of Neuroradiological MRI Exam Duration"
Parallel Scientific Paper Sessions At-A-Glance

O-31 • 11:12:00 AM • Fluoroscopically Guided Lumbar Puncture: Evaluation of the Cytological Diagnosis

O-32 • 11:19:00 AM • Role of Spinal Imaging in the Care Pathway of Patients with Angiogram-Negative Spontaneous Subarachnoid Hemorrhage: Single-Center Experience

**MONDAY, JUNE 4**

Room #

**07E-PARALLEL PAPER SESSION: ADVANCED TECHNIQUES IN BRAIN TUMOR IMAGING II**

O-33 • 1:15:00 PM • "A Comparison of Low Flip-Angle, No-Preload DSC-MRI to Intermediate Flip-Angle, Preload-Based DSC-MRI as a Reference Standard"

O-34 • 1:22:00 PM • Dual Iron and Gadolinium Contrast-Enhanced MRI Specifically Diagnoses Glioblastoma Pseudoprogession

O-35 • 1:29:00 PM • "Utility of Percent Signal Recovery and Average Baseline Signal in DSC-MRI Optimized for rCBV Measurement for Differentiation of GBM, Metastasis, Lymphoma and Meningioma"

O-36 • 1:36:00 PM • Quantification of DSC-MRI Derived Fractional Tumor Burden (FTB) is Predictive of Survival in Newly Diagnosed Glioblastoma Following Concomitant Chemoradiotherapy

O-37 • 1:43:00 PM • “Overshoot”: Induced Underestimation of MR-DSC PWI rCBV Without Contrast Leakage Correction in Post-Treatment Evaluation of Patients With Malignant Cerebral Tumors

O-38 • 1:50:00 PM • Spatial Correlation of Different DCE Perfusion Markers in High-Grade Gliomas

O-39 • 1:57:00 PM • Concordance of Published FDG PET and DCE MR Perfusion Cutoffs in Detecting Recurrent High-Grade Glioma Using Hybrid PET-MRI

O-40 • 2:04:00 PM • The Use of MRI Arterial Spin-Labelling Blood Flow Over Four Years to Characterize Intracranial Metastasis Blood Flow and the Value of Obtaining Base-Line Data to Distinguish Between Tumor Recurrence and Radiation Change in the Enlarging Lesion Following Gamma Knife SRS

O-41 • 2:11:00 PM • "The Use of MRI Arterial Labelling Blood Flow in Characterizing Brain Metastasis Both Prior to and Following Gamma Knife Radiosurgery: Histology, Size and Blood Flow Characterization Collected Over Four Years"

O-42 • 2:18:00 PM • Can Perfusion Imaging Predict CyberKnife Treatment Response in Cerebral Metastatic Disease?

O-43 • 2:25:00 PM • MR Perfusion and Diffusion Imaging in the Follow-Up of Recurrent Glioblastoma Treated with Programmed Death (PD)-1 Immunotherapy

O-44 • 2:32:00 PM • Simultaneous Imaging of Brain Tumor Cellularity and Perfusion Using MR Neuroimmune Imaging
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-45</td>
<td>1:15:00 PM - Clinical Utility of FDG PET/MR Imaging in Mesial Temporal Sclerosis (MTS): Correlations with Disease Severity</td>
</tr>
<tr>
<td>O-46</td>
<td>1:22:00 PM - Epileptogenic Pathologies of the Temporal Lobe Prompt Distinct Changes in the Functional Language Connectome</td>
</tr>
<tr>
<td>O-47</td>
<td>1:29:00 PM - Paravascular Spaces as a Potential Neuroimaging Biomarker for Post-Traumatic Seizures</td>
</tr>
<tr>
<td>O-48</td>
<td>1:36:00 PM - Pseudocontinuous Arterial Spin-Labeling in Epilepsy: A Case Review</td>
</tr>
<tr>
<td>O-49</td>
<td>1:43:00 PM - Image Processing for Detection of Mesial Temporal Sclerosis in Adults: A Case-Control Study</td>
</tr>
<tr>
<td>O-50</td>
<td>1:50:00 PM - Automated and Manual Diffusion Tractography in Presurgical Diagnostic of Patients with Temporal Lobe Epilepsy</td>
</tr>
<tr>
<td>O-51</td>
<td>1:57:00 PM - &quot;Simulation of Implantation of EEG Electrodes, Strips and Grids Utilizing 3-D Printing of Mesh-Like Cerebral Cortex and Deep Brain Structures&quot;</td>
</tr>
<tr>
<td>O-52</td>
<td>2:04:00 PM - Diffusion-Tensor Tractography and Magnetic Resonance Guided Focused Ultrasound Modeling in the Treatment of Mesial Temporal Sclerosis: A Proof of Concept Study</td>
</tr>
<tr>
<td>O-53</td>
<td>2:11:00 PM - Efficacy of 7T Neuroimaging of Epilepsy Lesions</td>
</tr>
<tr>
<td>O-54</td>
<td>2:18:00 PM - Identification of Epileptogenic Lesions Using Ultrafast 7T EEG-fMRI and 3-D Paradigm-Free Modeling</td>
</tr>
<tr>
<td>O-55</td>
<td>2:25:00 PM - Association of DVA Location and Metabolic Activity with EEG Localization of Epilepsy</td>
</tr>
<tr>
<td>O-56</td>
<td>2:32:00 PM - Automatic Detection of Fiducial Markers in MRI Images Using 2-D Convolutional Neural Networks for MEG Coregistration</td>
</tr>
<tr>
<td>O-57</td>
<td>1:15:00 PM - Allopregnanolone as a Regenerative Therapeutic for Alzheimer’s Disease: Phase 1B/2A MRI Outcomes and Interactions with APOE4 Genotype</td>
</tr>
<tr>
<td>O-58</td>
<td>1:22:00 PM - &quot;Allopregnanolone as a Regenerative Therapeutic for Alzheimer’s Disease: Phase 1B/2A MRI Outcomes and Interactions with APOE4 Genotype has been Submitted to the ASNR Abstract Submission Site by: Meng Law, Keck Medical Center of USC, Los Angeles, CA, United States, <a href="mailto:meng.law@usc.edu">meng.law@usc.edu</a>. I am co-author&quot;</td>
</tr>
<tr>
<td>O-59</td>
<td>1:29:00 PM - Spatial Patterns of Correlation Between Regional Cortical Amyloid and Cortical Thickness in a Cohort of Alzheimer’s Patients</td>
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### Parallel Scientific Paper Sessions At-A-Glance

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<th>Title</th>
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<tr>
<td>O-60</td>
<td>11:36 PM</td>
<td>&quot;MRI of the Relationship Between White-Matter Hyperintensities, Hemosiderin Deposition and Paravascular Spaces for a Possible Mechanism of Brain Injury in Vascular Cognitive Impairment and Alzheimer’s Disease&quot;</td>
</tr>
<tr>
<td>O-61</td>
<td>11:43 PM</td>
<td>Which Reference Regions Are Suitable for Sodium Signal Intensity Normalization in the Evaluation of Early Alzheimer’s Disease at 3T MRI?</td>
</tr>
<tr>
<td>O-63</td>
<td>1:57 PM</td>
<td>&quot;3-D Convolutional Neural Networks for Classifying Brain MRIs from Alzheimer’s Disease, Mild Cognitive Impairment and Normal Subjects&quot;</td>
</tr>
<tr>
<td>O-64</td>
<td>2:04 PM</td>
<td>Myeloperoxidase PET Imaging Mapping Neuroinflammation in Alzheimer’s Disease</td>
</tr>
<tr>
<td>O-65</td>
<td>2:11 PM</td>
<td>Diagnostic and Prognostic Value of the Entorhinal Cortex Atrophy (ERICA) Score in Mild Cognitive Impairment</td>
</tr>
<tr>
<td>O-66</td>
<td>2:18 PM</td>
<td>Concordance of Quantitative SUVR with Visual Assessment of [18F]-AV-1451 Tau PET/MRI and Relation to Off-Target Sites</td>
</tr>
<tr>
<td>O-67</td>
<td>2:25 PM</td>
<td>&quot;The Associations Among Physical Frailty, Cognitive Impairment, and Brain Structural Alteration in Patients with Parkinson Disease&quot;</td>
</tr>
<tr>
<td>O-68</td>
<td>2:32 PM</td>
<td>Optimized Imaging at 3.0 T of the Rostral Zona Incerta (rZI) for Deep-Brain Stimulation in Parkinson’s Disease</td>
</tr>
<tr>
<td>O-69</td>
<td>3:00 PM</td>
<td>Hyperintensity in Deep-Brain Structures on Unenhanced T1-Weighted MR in a Large Cohort of Patients with Secondary Progressive Multiple Sclerosis: Relationship with Dose and Ionization of Linear Gadolinium-Based Contrast Agent</td>
</tr>
<tr>
<td>O-70</td>
<td>3:07 PM</td>
<td>MRI Identification of Central Vein Sign in Radiologically Isolated Syndrome: Perivenous White-Matter Pathology in Asymptomatic Individuals</td>
</tr>
<tr>
<td>O-71</td>
<td>3:14 PM</td>
<td>Conventional MRI Imaging Features and Histogram Analysis of New T2 Lesions Correlates with Outcome in Multiple Sclerosis Patients</td>
</tr>
<tr>
<td>O-72</td>
<td>3:21 PM</td>
<td>Contrast Enhancement Does Not Increase Sensitivity in Detecting New Multiple Sclerosis Lesions in Routine Follow-Up MRI</td>
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</table>

**MONDAY, JUNE 4**

**07G-PARALLEL PAPER SESSION: IMAGING NEURODEGENERATIVE DISEASES**

<table>
<thead>
<tr>
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<tr>
<td>O-69</td>
<td>3:00 PM</td>
<td>Hyperintensity in Deep-Brain Structures on Unenhanced T1-Weighted MR in a Large Cohort of Patients with Secondary Progressive Multiple Sclerosis: Relationship with Dose and Ionization of Linear Gadolinium-Based Contrast Agent</td>
</tr>
<tr>
<td>O-70</td>
<td>3:07 PM</td>
<td>MRI Identification of Central Vein Sign in Radiologically Isolated Syndrome: Perivenous White-Matter Pathology in Asymptomatic Individuals</td>
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<td>O-71</td>
<td>3:14 PM</td>
<td>Conventional MRI Imaging Features and Histogram Analysis of New T2 Lesions Correlates with Outcome in Multiple Sclerosis Patients</td>
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<td>O-72</td>
<td>3:21 PM</td>
<td>Contrast Enhancement Does Not Increase Sensitivity in Detecting New Multiple Sclerosis Lesions in Routine Follow-Up MRI</td>
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<tr>
<td>O-73</td>
<td>3:28:00 PM</td>
<td>Gadolinium Enhancing White-Matter Lesions on Follow-Up MR Imaging in Patients with Multiple Sclerosis: Is Contrast Always Necessary?</td>
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<td>O-74</td>
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<td>Functional Network Connectivity and Clinical Phenotypes of Multiple Sclerosis: The CONNECTIMS Study</td>
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<td>O-75</td>
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<td>Predicting Conversion from Clinically Isolated Syndrome to Multiple Sclerosis: A MRI Feature-Based Machine-Learning Approach</td>
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<td>O-76</td>
<td>3:49:00 PM</td>
<td>Automatic Detection of New MS Lesions on Longitudinal Subtraction Images</td>
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<td>O-77</td>
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<td>&quot;Multiple Sclerosis, Cannabis, and Clinical Disability: A Molecular Imaging Study with 18F-FDG Positron Emission Tomography&quot;</td>
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<td>O-78</td>
<td>4:03:00 PM</td>
<td>Longitudinal Assessment of the Microstructural Substrates Underlying Gad-Enhancing Lesions in MS Using Multishell Neurite Orientation Dispersion and Density Imaging (NODDI)</td>
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<td>O-79</td>
<td>4:10:00 PM</td>
<td>Cortical or Juxtacortical Lesion? Evaluation of Phase-Sensitive Inversion Recovery Sequence in Characterization and Follow-Up of Multiple Sclerosis Patients</td>
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<td>O-80</td>
<td>4:17:00 PM</td>
<td>Quantitative Myelin Water Imaging Detects Age-Dependent Demyelinating Alterations of the Cerebral White-Matter Microstructure: A Multiparametric MRI Study</td>
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<td>O-81</td>
<td>3:00:00 PM</td>
<td>Segmentation of Pediatric Hindbrain at 7 Tesla: First Steps Toward Developing a Hindbrain Atlas</td>
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<td>O-82</td>
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<td>Quantitative Assessment of Regional Brain Myelination During Development using Synthetic MRI</td>
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<tr>
<td>O-83</td>
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<td>&quot;Quantitative Assessment of Regional Brain T1, T2, and PD Values During Development Using Synthetic MRI&quot;</td>
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<td>O-84</td>
<td>3:21:00 PM</td>
<td>MR Venography Predicts Increased Intracranial Hypertension in Children with Hydrocephalus</td>
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<td>O-85</td>
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<td>Time Dependent Changes in Extra-Axial Structures of Term Newborns: A Prospective Single-Center Transfontanelle Ultrasound Study</td>
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<td>O-86</td>
<td>3:35:00 PM</td>
<td>Structural MRI Brain Findings in a Group of Typically Developing Adolescents Enrolled in the Adolescent Brain Cognitive Development (ABCD) Cohort</td>
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<td>O-87</td>
<td>3:42:00 PM</td>
<td>CNS Involvement in Patients with Overgrowth Syndromes</td>
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<tr>
<td>O-88</td>
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<td>Abnormal Foramen Magnum as a Novel Imaging Feature in Joubert Syndrome</td>
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<td>T2 Hypointensity Can Reliably Identify the Primary Motor and Somatosensory Cortices in Children</td>
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<td>O-90 • 4:03:00 PM</td>
<td>Abnormal Cortical and Subcortical Cerebral Morphology in Neurofibromatosis Type 1: A Potential Novel Biomarker for Disease Pathophysiology and Progression</td>
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<tr>
<td>O-91 • 4:10:00 PM</td>
<td>Neurofibromatosis Type 1 Patients with Optic Pathway Gliomas: Accuracy of Noncontrast MR in Imaging Surveillance</td>
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<td>O-92 • 4:17:00 PM</td>
<td>Subependymal Giant Cell Astrocytoma Size Measurement In Tuberous Sclerosis Complex: Noncontrast Versus Contrast-Enhanced 3-D T1-Weighted MRI</td>
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<td>O-93 • 3:00:00 PM</td>
<td>CT-Guided Percutaneous Synovial Cyst Rupture Using a 11G Jamshidi Needle: Early Experience and Results of a Novel Therapeutic Technique</td>
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<td>O-94 • 3:07:00 PM</td>
<td>Implementation of Evidence-Based Appropriateness Guidelines for Epidural Steroid Injection for Patients with Chronic Low Back Pain</td>
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<td>O-95 • 3:14:00 PM</td>
<td>Spread of Injectate During Cervical Interlaminar Epidural Steroid Injections: Reassessing Ventral Epidural and Craniocaudal Spread with Axial Imaging</td>
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<tr>
<td>O-96 • 3:21:00 PM</td>
<td>Can RF Ablation Followed with PMMA Augmentation for Osteolytic Spine Metastasis Provide Both Pain Relief and Structural Stability?</td>
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<td>O-97 • 3:28:00 PM</td>
<td>Time Course for Enhancement in Postdisectomy Patients</td>
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<td>O-98 • 3:35:00 PM</td>
<td>Efficacy of a Vertebral Augmentation System Used for Bone Remodelling as Treatment of Vertebral Fractures</td>
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<td>O-99 • 3:42:00 PM</td>
<td>Recent Imaging of Vertebral Compression Fractures is Beneficial in Preoperative Planning for Vertebral Augmentation</td>
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<td>O-100 • 3:49:00 PM</td>
<td>Efficacy of Euthermic Discolysis with Ho Laser in Treatment of Radicular Pain</td>
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<td>Motion Characteristics of the Functional Spinal Unit During Lumbar Disc Injection</td>
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<td>O-102 • 4:03:00 PM</td>
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| E-44    | 4:28:00 PM | LGI1 Encephalitis – A
### Newly Understood Autoimmune Encephalitis

**MONDAY, JUNE 4**

**Room #**

**08G-PARALLEL PAPER SESSION: BRAIN: NEW AND ADVANCED TECHNIQUES**

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<tr>
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<td>The Ability of Compressed SENSE MR Imaging to Evaluate the Brain Relative to Conventional Fully Acquired MR Imaging: A Prospective Evaluation</td>
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<td>O-119</td>
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<td>Improved T2-Weighted 3-D FLAIR from a Compact 3T Scanner with High-Performance Gradients</td>
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<td>O-120</td>
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<td>Age-Related Measurements of the Myelin Water Fraction Derived from 3-D Multi-Echo GRASE Reflect the Cerebral White-Matter Microstructure</td>
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<td>O-121</td>
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<td>Measures of Tissue Coherency in Clinical MRI Reflect Myelin Integrity in Multiple Sclerosis Patients</td>
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<td>O-122</td>
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<td>T1 Mapping Does Not Lead to Significant Differences in an eTofts Model Parameters for Brain DCE-MRI</td>
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<td>O-123</td>
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<td>Properties of Path Tracing (Cinematic) Rendering for Medical Imaging</td>
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<td>O-124</td>
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<td>Motion Artifact Detection with Gradient Entropy</td>
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<td>O-125</td>
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<td>Relationship Between Cough-Associated Changes in CSF Flow and Disease Severity in Chiari I Malformation: An Exploratory Study Using Real-Time MRI</td>
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**09F-PARALLEL PAPER SESSION: SPINE: NEW FINDINGS**

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<td>O-129</td>
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<td>The Normal Lumbosacral Disc Herniation: Incidence of Vertebral Anatomic Variants and Nomenclature 2.0</td>
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<td>O-130</td>
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<td>Radiologists Agree More on Assessment of Change Than Degree of Stenosis on Follow-Up Cervical Spine MRIs</td>
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<tr>
<td>O-131</td>
<td>4:59:00 PM</td>
<td>Radiologists Agree More on Assessment of Change Than Degree of Stenosis on Follow-Up Lumbar Spine MRIs</td>
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<tr>
<td>O-132</td>
<td>5:06:00 PM</td>
<td>Posterior Spinal Cord Indentation: Imaging Findings and Clinical Outcome</td>
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<tr>
<td>O-133</td>
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<td>Bone Mineral Density in Opportunistic Quantitative Computed Tomography is the Main Predictive Factor of One-Year Reoperation After Posterior Lumbar Instrumentation</td>
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<td>O-134</td>
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<td>Magnetic Resonance-Guided High-Intensity Focused Ultrasound for the Treatment of Facetogenic Pain</td>
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<td>Clinical Utility of a Novel Ultrafast T2-Weighted Sequence for Spine Imaging</td>
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<td>O-136</td>
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<td>Epidural Fat Distortion Sign: Tool for Localizing Spinal Canal Pathologies</td>
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<td>O-137</td>
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<td>&quot;The Spinal Lines that Divide: Imaging, Identification, and Localization of Collections and Leaks of the Spine with Focus on Digital Subtraction Myelography Technique&quot;</td>
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<td>O-138</td>
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<td>In Vivo Monitoring of Peripheral Nerve Lesions in Symptomatic and Asymptomatic Familial Amyloid Polyneuropathy by a New Imaging Biomarker</td>
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<td>O-139</td>
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<td>Magnetization Transfer Ratio in Peripheral Nerve Tissue: Location and Age-Dependent Differences</td>
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<td>&quot;Comparison of Radiation Doses Imparted During Multidetector CT Scanners and Cone Beam Computed Tomography for the Postoperative, Spinal Fusion Assessment&quot;</td>
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#### Room #

##### 09G-PARALLEL PAPER SESSION: INTERVENTIONAL: ANEURYSMS, AVMS AND TUMORS

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<td>Factors Influencing Confidence of Treatment Recommendation of Unruptured Intracranial Aneurysms and Estimated Risk of Procedure-Related Neurological Complications</td>
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<td>O-142</td>
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<td>Increased Rupture Risk of Intracranial Aneurysms Associated with Methamphetamine Use</td>
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<td>O-143</td>
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<td>To Study the Factors Predicting Aneurysms Regrowth Following Endovascular Treatment</td>
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<td>O-144</td>
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<td>Management of Small Unruptured Intracranial Aneurysms: A Survey of Neuroradiologists</td>
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<td>O-145</td>
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<td>Technical Feasibility of the Use of the PulseRider Implant for Wide-Neck Bifurcation Aneurysm Endovascular Treatment - IonInitial Experience</td>
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<td>High Prevalence of Venous Outflow Stenosis in Brain AVM: Is It a Cause or Result?</td>
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<td>Feasibility of Intra-Arterial Chemotherapy for Retinoblastoma: Experiences in a Large Single-Center Cohort Study</td>
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<td>O-148</td>
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Room #

11B-PARALLEL PAPER SESSION: COMPUTER ASSISTED AND DEEP LEARNING METHODS IN STROKE IMAGING

O-149 • 8:00:00 AM • Comparison of CT Grayscale Versus Colorized ASPECTS in Patients with Emergent Large-Vessel Occlusion Stroke

O-150 • 8:07:00 AM • Detection of Early Infarction Signs with a Computer-Aided Assessment of the Alberta Stroke Program Early CT Score (ASPECTS) in the Clinical Routine

O-151 • 8:14:00 AM • Impact of CT Ischemic Lesion Location on Modified Rankin Scale Score in Patients with Acute Ischemic Stroke: A Voxel-Based Approach

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Room #

11C-PARALLEL PAPER SESSION: BRAIN: TRAUMATIC INJURY

O-157 • 8:00:00 AM • Computed Tomography Findings and Their Correlation to Glasgow Coma Score and Other Risk Factors

O-158 • 8:07:00 AM • Utility of CT Angiography in Patients with Acute Subdural Hematoma

O-159 • 8:14:00 AM • Contrast Extravasation on CTA in Acute Head Trauma
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<td>O-161</td>
<td>MRI Findings in Patients with a Clinical Diagnosis of Postconcussion Syndrome: Toronto Neuroimaging Criteria for Postconcussion Syndrome</td>
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<td>O-162</td>
<td>Correlation of Cavum Septum Pellucidum and Cavum Vergae In Fighters to Neuropsychiatric Scores and Brain Volumes</td>
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<td>O-163</td>
<td>Five-Year Arterial Spin-Labeling MR Perfusion Evaluation of Concussive Blast Injury with Associated Neuropsychological Measures</td>
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<td>O-164</td>
<td>Dynamic Contrast-Enhanced MR Imaging for Quantitative Assessment of Blood-Brain Barrier Disruption in Mild Traumatic Brain Injury Patients with Postconcussion Syndrome</td>
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**11D-PARALLEL PAPER SESSION:**

**IMAGING BRAIN METASTASES**

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<td>O-166</td>
<td>Location of Brain Metastases from Breast Cancer Depending on the HER2 Receptor Status</td>
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<td>O-167</td>
<td>Metastatic Brain Cancer: Insights from Mathematical Modeling of Tumor Size and Growth Patterns</td>
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<td>O-168</td>
<td>Response Patterns of Brain Metastases Following Immunotherapy</td>
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<td>O-169</td>
<td>Volumetric Analysis of Brain Metastases Treated with Laser Interstitial Thermal Therapy (LITT) and Correlation with Clinical Outcome</td>
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<td>O-170</td>
<td>Precision Imaging of Metastatic and Primary Brain Tumors After Radiation with 18F-FDOPA Hybrid PET-MRI Is Feasible and Cost-Effective</td>
<td>8:35:00 AM</td>
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<tr>
<td>O-171</td>
<td>Imaging of Laser Interstitial Thermal Therapy (LITT) for the Treatment of Brain Metastasis and Radiation Necrosis: A Review of 82 Treated Lesions at Our Institution</td>
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<td>O-172</td>
<td>Accuracy of T2-Weighted Images for Detection of Intracranial Meningioma Growth – Towards Lowering Gadolinium Administration</td>
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**TUESDAY, JUNE 5**

**Room #**

**11E-PARALLEL PAPER SESSION:**

**BRAIN: NEW FINDINGS**

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<td>Using Diffusion-Tensor Tractography to Evaluate Cortical Spinal Tracts in Patients with Supratentorial Intracerebral Hemorrhage With and Without Evacuation in the Acute to Early Subacute Stage</td>
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<td>O-174</td>
<td>&quot;A Chemobrain Study: Clinical, Genetic and Imaging Evaluation of the Cognitive Effects of Chemotherapy in Patients with Colorectal Cancer&quot;</td>
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O-175 • 8:14:00 AM • A CT-Based Diagnostic Index to Differentiate Between Progressive Supranuclear Palsy and Parkinson’s Disease for DaT-SPECT/CT

O-176 • 8:21:00 AM • Comparison Between Task Activation and Resting-State Connectivity Maps in the Motor and Language Networks for Presurgical Planning

O-177 • 8:28:00 AM • A Voxel-Based Analysis of Cerebral Blood Flow Abnormalities in Obsessive-Compulsive Disorder Using Pseudocontinuous Arterial Spin-Labeling MRI

O-178 • 8:35:00 AM • Deep-Seated Intracranial Hemorrhages: When Is Angiographic Imaging Required?

O-179 • 8:42:00 AM • The Visual Cortex Sign in Anoxic Brain Injury

O-180 • 8:49:00 AM • Invisible Cortex Sign: A New and Highly Accurate Feature to Localize the Inferolateral Central Sulcus

O-181 • 8:00:00 AM • DTI Assessment of Regional White-Matter Changes in the Cervical and Thoracic Spinal Cord in Pediatric Subjects

O-182 • 8:07:00 AM • Comparison of Arterial Spin-Labeling (ASL) and 18F Fluorodeoxyglucose Positron Emission Tomography (FDG-PET) in Localization of Epileptogenic Focus for Presurgical Evaluation of Intractable Epilepsy

O-183 • 8:14:00 AM • Alternating Hemiplegia of Childhood: Voxel-Based Analysis at 3T Exploring Ictal and Interictal Disease Mechanisms

O-184 • 8:21:00 AM • Impaired Structural Connectivity of Frontal Eye Field and Posterior Parietal Cortices with Pulvinar Mediates the Impact of Prematurity on Adult Perceptual Organization

O-185 • 8:28:00 AM • Quantitative Susceptibility Mapping (QSM) and Diffusion-Kurtosis Imaging (DKI) for Detection of Early Radiation-Induced White-Matter Injury in Children with Primary Brain Tumors

O-186 • 8:35:00 AM • Machine-Learning Analysis of Edge-Density Imaging for Identification of Children with Sensory Over-Responsivity

O-187 • 8:42:00 AM • Multimodality PET-MRI Image Joint Reconstruction

O-188 • 8:49:00 AM • Comparing Efficacy of Different Paradigms Utilized for Language Mapping in Pediatric Functional MRI Studies
Parallel Scientific Paper Sessions At-A-Glance

TUESDAY, JUNE 5
Room # 013F-EXCERPTA: NEOPLASMS, STROKE AND INTERVENTIONAL

O-189 • 10:30:00 AM • Contemporary National Trends for Head CT Use in Emergency Department: Insights from National Hospital Ambulatory Medical Care Survey (NHAMCS) 2007-2014

O-190 • 10:37:00 AM • Trends on Head CT and MRI Use in Emergency Department Visits for Stroke and Transient Ischemic Attack: Insights from National Hospital Ambulatory Medical Care Survey (NHAMCS) 2007-2014

O-191 • 10:44:00 AM • Clinical Utility of a Brain MRI After a Negative Head CT in the Emergent Setting

O-192 • 10:51:00 AM • Effective and Ineffective Tools in Increasing Referring Providers’ Utilization of Radiology Clinical Decision Support

O-193 • 10:58:00 AM • Steering the Course to Success in Outpatient Imaging and Inpatient Throughput in a Large Academic Medical Center

O-194 • 11:05:00 AM • Results of the Second Comprehensive Survey of the United States’ Neuroradiology Workforce

O-195 • 11:12:00 AM • Influences for Gender Disparity in Academic Neuroradiology

O-196 • 11:19:00 AM • "Longevity As the Measure of Health Care Benefit Comparing the Canadian Versus United States (U.S.) Health Care Systems: Cost, Complexity, Insurance Coverage and Number of CT and MRI Units Installed: An Incomplete Truth?"

O-197 • 11:26:00 AM • Social Determinants of Health (SDH): An Essential Element in the Measure of Benefit Versus Cost of Neuroradiology in Canada Vs. United States (U.S.)

O-198 • 11:33:00 AM • Low Back Pain and Cancer: Are We Imaging in a Timely Manner?

O-199 • 11:40:00 AM • Effect of a Standardized Reporting Tool on the Rate and Concordance of Management Recommendations for Incidental Thyroid Nodules on CT and MRI

O-200 • 11:47:00 AM • Significant Quality Improvement of Results and Patient Satisfaction in Medical Information for Radiological Examinations Applying Video Information Techniques (“Patient Information App”)
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<tr>
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<th>Time</th>
<th>Title</th>
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<tr>
<td>E-44</td>
<td>10:30:00 AM</td>
<td>Multiple Meningiomas Confined to the Right Cerebral Hemisphere with a Third Ventricular Meningioma Causing Acute Obstructive Hydrocephalus</td>
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<td>E-45</td>
<td>10:34:00 AM</td>
<td>Intraventricular Glioblastoma with Neuronal Component</td>
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<tr>
<td>E-46</td>
<td>10:38:00 AM</td>
<td>Collision Tumor: A Rare Case of Metastatic Breast Carcinoma Invasion into a Skull-Base Meningioma</td>
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<tr>
<td>E-47</td>
<td>10:42:00 AM</td>
<td>&quot;Two Unusual Cortical-Based Tumors of a Common Entity: Clinical, Imaging and Histopathological Correlation&quot;</td>
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<td>E-48</td>
<td>10:46:00 AM</td>
<td>Acutely Hemorrhagic Meningioma with 'Spot Sign' on CT Angiogram</td>
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<tr>
<td>E-49</td>
<td>10:50:00 AM</td>
<td>Cerebral Venous Air Embolism</td>
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<td>E-50</td>
<td>10:54:00 AM</td>
<td>Direct-Puncture and Percutaneous nBCA Embolization of a Traumatic Head and Neck Pseudoaneurysm</td>
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<td>E-52</td>
<td>11:02:00 AM</td>
<td>Glue Embolization of Artery of Adamkiewicz Pseudoaneurysm with Active Extravasation Following MDMA Abuse</td>
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<td>E-55</td>
<td>11:10:00 AM</td>
<td>Complex Revascularisation Angioplasty in a Patient with a Combined Type A Aortic Dissection and Hemispheric Hypoperfusion Syndrome</td>
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<td>E-55</td>
<td>11:14:00 AM</td>
<td>Anterior Cerebral Artery Vasospasm and Infarction Secondary to Pituitary Tumor Apoplexy</td>
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<td>E-56</td>
<td>11:18:00 AM</td>
<td>Lymphomatoid Granulomatosis: A Case Report of a Challenging Presentation of a Rare Entity</td>
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<td>E-57</td>
<td>11:22:00 AM</td>
<td>Cerebral Air Embolism Due to Atroioesophageal Fistula – A Rare but Devastating Complication of Catheter Ablation for Atrial Fibrillation</td>
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<tr>
<td>E-58</td>
<td>11:26:00 AM</td>
<td>Adult-Onset Atypical Teratoid/Rhabdoid Tumor in the Sellar Region – A Distinct Variant of an Exceptionally Rare Tumor?</td>
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<td>E-59</td>
<td>11:30:00 AM</td>
<td>Multifocal Symptomatic Intracranial Plaque Enhancement: Is There an Underlying Systemic Inflammatory Process?</td>
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<td>E-60</td>
<td>11:34:00 AM</td>
<td>Tumefactive Demyelination Coexisting with Primary Central Nervous System Lymphoma</td>
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<tr>
<td>E-61</td>
<td>11:38:00 AM</td>
<td>Granulocytic Sarcoma (Chloroma) Presenting as Multifocal Intraparenchymal Masses</td>
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<tr>
<td>E-62</td>
<td>11:42:00 AM</td>
<td>Angry-Looking Textiloma Mimicking Recurrent Glioblastoma on Conventional MR and Multiparametric Advanced Brain Tumor Imaging</td>
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</tbody>
</table>
Parallel Scientific Paper Sessions At-A-Glance

E-5 • 11:46:00 AM • Critical Illness-Associated Cerebral Microbleeds Related to Heat Stroke

E-115 • 11:50:00 AM • Tumor Regurgitation: A Dramatic and Rare Presentation

TUESDAY, JUNE 5

Room #

13G-PARALLEL PAPER SESSION: PEDIATRIC: DEVELOPMENTAL AND CONGENITAL

O-201 • 10:30:00 AM • Volumetric Analysis of the Gray and White Matter of Patients with Allan-Herndon-Dudley Syndrome During Childhood

O-202 • 10:37:00 AM • Textural Analysis of Ambulatory and Nonambulatory Children with Muscle Disorders Using T1-Weighted MRIs of the Midcalf and Midthigh

O-203 • 10:44:00 AM • Comparison of MR Scoring Systems in Predicting Neurologic Outcomes in Neonates with Hypoxic-Ischemic Encephalopathy: Deep-Gray Injury Associated Best with Seizures

O-204 • 10:51:00 AM • Perfusion and Diffusion Imaging in Distinguishing Pilocytic Versus Pilomyxoid Astrocytomas Above and Below the Tentorium

O-205 • 10:58:00 AM • "Synthetic MRI in Tuberous Sclerosis: Quantitative Assessment of Parenchymal and CSF Volumes and of Lesional T1, T2 and PD Values"

O-206 • 11:05:00 AM • Fast MRI for Shunted Children: Single-Sequence Axial FAST T2 Could Replace Current Protocols

O-207 • 11:12:00 AM • Radiation Dose Reduction Strategies for Intrathecal Spinraza (Nusinersen) Administration in Spinal Muscular Atrophy

O-208 • 11:19:00 AM • Radiographically Occult Tethered Cord in Pediatric and Adult Patients

TUESDAY, JUNE 5

Room #

14F-PARALLEL PAPER SESSIONS: SKULL BASE AND SINUS

O-209 • 1:15:00 PM • Magnetic Resonance Imaging-Based Evaluations of Olfactory Bulb Atrophy in Patients with Olfactory Dysfunction

O-210 • 1:22:00 PM • Prospective Evaluation of Blood-Brain-Barrier Dysfunction in Patients with Aneurysmal Subarachnoid Hemorrhage: Correlation with Clinical Outcomes in a Pilot Cohort

O-211 • 1:29:00 PM • Automatic Detection of Cerebral Microbleeds (CMBs) Using STRategically Acquired Gradient Echo (STAGE) Imaging

O-212 • 1:36:00 PM • Volumetric Brain MRI and Neonatal Neurobehavioral Correlates in Infants of Zika-Infected Mothers
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<tr>
<td>O-213</td>
<td>1:43:00 PM</td>
<td>Multiparametric Quantitative and Functional Magnetic Resonance Imaging in Differentiation of Central Nervous System Tuberculoma and Neurocysticercosis</td>
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<td>O-214</td>
<td>1:50:00 PM</td>
<td>Relationship Between Pineal Cyst Size and Aqueductal CSF Flow Measured by Phase Contrast MRI</td>
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<tr>
<td>O-215</td>
<td>1:57:00 PM</td>
<td>Prospective Evaluation of Blood-Brain-Barrier Integrity and Cerebrospinal Fluid Lipocalin-2 Protein Levels in Aneurysmal Subarachnoid Hemorrhage: Correlation with Disease Severity</td>
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<tr>
<td>O-217</td>
<td>2:11:00 PM</td>
<td>Scan-Rescan Repeatability of Hippocampal Volume Measurements in Patients with Low-Grade Glioma: Comparison of Automated Software Packages</td>
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<td>O-218</td>
<td>2:18:00 PM</td>
<td>Spinal Imaging Findings of Open Spinal Dysraphism on Fetal and Postnatal MRI</td>
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<td>O-219</td>
<td>2:25:00 PM</td>
<td>Measuring Thalamic Lesion Extent Following Focused Ultrasound Thalamotomy</td>
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<td>O-220</td>
<td>2:32:00 PM</td>
<td>Leptomeningeal Enhancement on FLAIR Imaging in Patients with Cerebral Aneurysms Treated with Endovascular Therapy</td>
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<td>O-221</td>
<td>2:39:00 PM</td>
<td>Added Value of Arterial Spin-Labeling Perfusion in the Emergency Department: A Six-Month Institutional Experience</td>
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<td>O-223</td>
<td>1:15:00 PM</td>
<td>Accuracy of MRI for Determining Extent of Perineural Tumor Spread at the Skull Base: A Radiology-Pathology Correlation Study</td>
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<tr>
<td>O-224</td>
<td>1:22:00 PM</td>
<td>&quot;The Rostral Migratory Stream in the Human Fetal Brain: Postmortem MRI, Correlation with Histology and Preliminary Results with In Utero Fetal MRI&quot;</td>
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<td>O-225</td>
<td>1:29:00 PM</td>
<td>Feasibility and Applicability of FLAIR-EPI in the Evaluation of the Fetal Brain</td>
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<tr>
<td>O-226</td>
<td>1:36:00 PM</td>
<td>Fetoscopic Repair of Myelomeningocele as an Alternative to Open Fetal Surgery: Neuroimaging Analysis with Pre and Post-Treatment MRI from Center for Fetal Therapy at the Johns Hopkins Hospital</td>
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<td>O-227</td>
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<td>Effect of Isolated Congenital Heart Disease on Fetal Brain Maturation</td>
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<tr>
<td>O-228</td>
<td>1:50:00 PM</td>
<td>Brain Volumetry in Fetuses with Congenital Diaphragmatic Hernia Based on Fetal MRI: A Pilot Study</td>
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<tr>
<td>O-229</td>
<td>1:57:00 PM</td>
<td>Fluid-Attenuated Inversion Recovery Sequences in the Diagnosis of Lissencephaly on Fetal MRI</td>
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O-230 • 2:04:00 PM • Magnetic Resonance Morphological Signs of Fetal Inflammatory Response Syndrome as Potential Biomarkers of Cytomegalovirus Infection

O-231 • 2:11:00 PM • Taking the 'Dental' Out of Incidental: Prevalence and Reporting Rates of Incidental Dental Disease on Head CT Examinations

O-232 • 2:18:00 PM • Comparison of T2 Single-Shot Fast-Spin Echo and FLAIR Sequences in Assessment of Fetal Ventriculomegaly

O-233 • 3:00:00 PM • Dual-Layer CT-Derived Virtual Noncontrast Images: Could Both Intrinsic and Extrinsic Thyroid Glandular Iodine Be Successfully Suppressed?

O-234 • 3:07:00 PM • Optimal Adaptive Statistical Iterative Reconstruction Settings for the Evaluation of the Neck Using Low-Energy Dual-Energy CT Virtual Monochromatic Images

O-235 • 3:14:00 PM • A CAD System to Track Cervical Adenopathy on CT Over Time

O-236 • 3:21:00 PM • DSA-like Bone Subtraction Iodine Imaging Using Area Detector CT for Evaluation of Skull-Base Invasion by Nasopharyngeal Carcinoma

O-237 • 3:28:00 PM • Sonographic Features of Melanoma Nodal Metastasis in the Head and Neck

O-238 • 3:35:00 PM • Differential Diagnosis of Necrotic Cervical Lymphadenopathy: Tree Analysis

O-239 • 3:42:00 PM • The Utility of FDG-PET Scanning in Head and Neck Cancer Patients: Search for the Unknown Primary

O-239 • 3:42:00 PM • The Utility of FDG-PET Scanning in Head and Neck Cancer Patients: Search for the Unknown Primary

O-240 • 3:49:00 PM • Retrospective Analysis of Strangulation/Hanging Injuries Via CT Angiography

O-241 • 3:56:00 PM • Acute Ischemic Optic Neuropathy: Value of High-Resolution Diffusion Imaging for Optic Nerve Lesions

O-242 • 4:03:00 PM • Negative Predictive Value of MRI Following Resection of Pituitary Macroadenoma

O-243 • 4:10:00 PM • Utility of Dual-Energy CT Iodine Material Decomposition Maps and Low-Energy Virtual Monochromatic Images for Detection of Perineural Spread in Head and Neck Malignancy

O-244 • 4:17:00 PM • Correlation of Pretreatment SUV-Derived Quantitative FDG-PET Indices of Head and Neck Adenoid Cystic Carcinoma with Pathologic Grade and Metastatic Potential: Preliminary Results
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<tr>
<td>3:00:00 PM</td>
<td>O-245 Perfusion Abnormalities at 3-D ASL in Patients with Acute Encephalopathy with Biphasic Seizures and Late Reduced Diffusion</td>
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<td>3:07:00 PM</td>
<td>O-246 Differentiation of Pediatric-Onset Neuromyelitis Optica from Acute Disseminated Encephalomyelitis on Brain Magnetic Resonance Imaging</td>
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<td>3:14:00 PM</td>
<td>O-247 A CAD System to Track Brain White-Matter Lesions of Multiple Sclerosis in Pediatric Patients on MRI Over Time</td>
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<td>3:21:00 PM</td>
<td>O-248 Evaluation of Brain's Viscoelasticity in Children Using MR Elastography</td>
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<td>3:28:00 PM</td>
<td>O-249 Pediatric Brain and Whole-Spine CSF Flow Imaging Using Phase Contrast Cine for New Clinical Application</td>
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<td>3:35:00 PM</td>
<td>O-250 Time-STAMP and Time-SLIP CSF Imaging in Pediatric Patients and Adult Volunteers</td>
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<td>3:42:00 PM</td>
<td>O-251 Impact of Iterative Model Reconstruction Combined with Low Dose on the Image Quality of Head and Neck CT Angiography for Pediatric Patients</td>
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<tr>
<td>3:49:00 PM</td>
<td>O-252 Radiation Dose and Image Quality in Pediatric Neck CT: Findings Before and After a Quality Improvement Project</td>
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<tr>
<td>3:56:00 PM</td>
<td>O-253 Synthetic MRI in Children: Relationship Between Automated Intracranial Volumetrics and Head Circumference</td>
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<td>4:03:00 PM</td>
<td>O-254 Brain Iron Deposition After Ferumoxytol-Enhanced MRI: A Study of Porcine and Pediatric Brains</td>
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<td>4:10:00 PM</td>
<td>O-255 Gadolinium Deposition in the Pediatric Brain: No Increased Intrinsic T1-Weighted Signal Intensity Within the Dentate Nucleus Following the Repeated Administration of the Macro cyclic Agent Gadobutrol</td>
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<td>4:17:00 PM</td>
<td>O-256 Thalamic and Dentate Nuclei Abnormalities in Children with Gaucher Disease</td>
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<td>3:00:00 PM</td>
<td>O-257 MRI Predictors of Recurrence After an Acute Transverse Myelitis of Unidentified Etiology</td>
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<td>3:07:00 PM</td>
<td>O-258 Volumetric Analysis of the Cervical Cord in Neuromyelitis Optica and Multiple Sclerosis</td>
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<td>3:14:00 PM</td>
<td>O-259 Variations in Fluid Movement in a Syrinx With Changes in Syrinx Size, Heart Rate and CSF Velocity</td>
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<tr>
<td>3:21:00 PM</td>
<td>O-260 Spinal Arachnoid Webs – Multimodality Imaging with Focus on Intraoperative Spinal Ultrasound</td>
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### Parallel Scientific Paper Sessions At-A-Glance

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<tr>
<td>O-261</td>
<td>3:28:00 PM</td>
<td>Differences in Velocity Distributions in Supine Vs. Prone CSF Pulsations in the Cervical Spinal Canal Support Local Arterial Contributions to CSF Pulsatilities</td>
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<tr>
<td>O-262</td>
<td>3:35:00 PM</td>
<td>The Diagnostic Performance of ADC in the Differentiation of Acute Spinal-Cord Ischemia Syndrome (ASCIS) from Other Causes of Acute Noncompressive Myelopathies</td>
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<td>O-263</td>
<td>3:42:00 PM</td>
<td>Curved Planar Reformation Images from Neck CTA Used for Screening Blunt Cerebrovascular Injury</td>
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<tr>
<td>O-264</td>
<td>3:49:00 PM</td>
<td>Perineural Spread from Metastatic Prostate Cancer Identified on MR Neurography with Quantitative ADC</td>
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<tr>
<td>O-265</td>
<td>3:56:00 PM</td>
<td>Dynamic Contrast-Enhanced MRI in Evaluation of Treated and Untreated Vertebral Tumors</td>
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<tr>
<td>O-266</td>
<td>4:03:00 PM</td>
<td>Role of Whole-Body MR Diffusion Imaging in Identifying Active Myeloma Lesions: Comparative Analysis with Histopathology</td>
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<td>O-267</td>
<td>4:10:00 PM</td>
<td>Imaging Findings in Spinal Neurosarcoidosis at Presentation: A Review of Thirteen Cases</td>
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<tr>
<td>O-268</td>
<td>4:17:00 PM</td>
<td>Fluoroscopically Guided Lumbar Puncture to Evaluate for Meningitis: An Institutional Review of Incidence and Factors Associated with Positive Results</td>
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### TUESDAY, JUNE 5

**Room #**

**15D-PARALLEL PAPER SESSION: INTERVENTIONAL: STROKE TRIALS**

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<tr>
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<td>Endovascular Treatment Correlated with Clinical and Imaging Outcome in the DEFUSE 3 Study</td>
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<tr>
<td>O-270</td>
<td>3:07:00 PM</td>
<td>External Validation of DAWN: Benefit Seems Similar But Restrictive Selection Criteria Might Omit Potential Responders</td>
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<tr>
<td>O-271</td>
<td>3:14:00 PM</td>
<td>Endovascular Technique and Patients Outcomes Following Mechanical Thrombectomy for Acute Ischemic Stroke Treatment</td>
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<tr>
<td>O-272</td>
<td>3:21:00 PM</td>
<td>Single-Institution Experience with Endovascular Versus Medical Therapy for Large-Vessel Occlusive Strokes Presenting with Mild Symptoms</td>
</tr>
<tr>
<td>O-273</td>
<td>3:28:00 PM</td>
<td>Thromboaspiration of Downstream and New Territory Emboli Using the 3MAX Catheter During Mechanical Thrombectomy of Large-Vessel Occlusions</td>
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<tr>
<td>O-274</td>
<td>3:35:00 PM</td>
<td>Management of Tandem Occlusions in Acute Ischemic Stroke--Intracranial Versus Extracranial First and Extracranial Stenting Versus Angioplasty Alone: A Systematic Review and Meta-Analysis</td>
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<tr>
<td>O-275</td>
<td>3:42:00 PM</td>
<td>Complications During Thrombectomy for Acute Ischemic Stroke: Results from the MR CLEAN Registry</td>
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Parallel Scientific Paper Sessions At-A-Glance

O-276 • 3:49:00 PM • Emergency Conversion to General Anesthesia During Mechanical Thrombectomy

O-277 • 3:56:00 PM • Mechanical Thrombectomy in Acute Ischemic Stroke: Does Patient Selection by MRI Improve Patient Outcomes Over Patient Selection by CT?

O-278 • 4:03:00 PM • Worse Endovascular Recanalization Results for Patients with In-Hospital Onset Acute Ischemic Stroke

O-279 • 4:10:00 PM • Impact of CTA Collateral Status and Treatment Delay on Functional Outcome after Endovascular Stroke Treatment: Results from the MR CLEAN Registry

O-280 • 4:17:00 PM • Acute Thrombectomy in the Ageing Population: A Retrospective Analysis of Radiological and Clinical Outcomes in Acute Thrombectomies Performed in Patients Over 80 Years with an Intention to Treat Analysis

TUESDAY, JUNE 5
Room #

15E-PARALLEL PAPER SESSION: DEEP LEARNING TECHNIQUES AND METHODS

O-281 • 3:00:00 PM • Deep Learning for Automated Differentiation of Head CT Protocols

O-282 • 3:07:00 PM • Improved Hemorrhage Detection on Noncontrast Head CT Using a Robust Artificial Intelligence Pipeline

O-283 • 3:14:00 PM • Real-Time Decision Support for Cerebral Vasospasm Detection on Conventional Angiograms Using Deep Learning

O-284 • 3:21:00 PM • Disease Detection in Resting-State fMRI with Unsupervised Deep Learning Trained on Normal Subjects

O-285 • 3:28:00 PM • Building a Predictive Analytics Foundation to Assess Radiologically Identifiable Encephalopathies

O-287 • 3:42:00 PM • Predicting Glioblastoma Tumor Recurrence Versus Pseudoprogression Utilizing Convolutional Neural Networks

O-288 • 3:49:00 PM • Evaluation of Dynamic Susceptibility Contrast MRI Perfusion Using Principal Component Analysis and Machine Learning to Detect Occult Infiltration of Glioblastoma

O-289 • 3:56:00 PM • Using Deep-Learning Technique to Synthesize High-Quality Cerebral Full-Dose Positron Emission Magnetic Resonance Images (PET-MRI) from Low-Dose Ones

O-290 • 4:03:00 PM • Improving Workflow by Using Deep Learning to Label Brain and Spine MRI Sequences

O-291 • 4:10:00 PM • Image Super Resolution and Radiation Reduction Via Deep Learning
Parallel Scientific Paper Sessions At-A-Glance

O-292 • 4:17:00 PM • Machine Learning-Based Iterative Image Reconstruction Algorithm Allows Significant Reduction in Brain MRI Scan Times

**TUESDAY, JUNE 5**

Room #

**15F-PARALLEL PAPER SESSION: BRAIN TUMOR IMAGING: NEW FINDINGS**

O-293 • 3:00:00 PM • Distinguishing True Progression from Pseudoprogression in Glioblastoma Patients Treated with Immunotherapy Using Standard MRI Sequences

O-294 • 3:07:00 PM • "Evaluation of Therapeutic Response of Glioblastoma to Insulin-Like Growth Factor Receptor Type 1 (IGF-1R) Antisense Treatment Protocol, Using Dynamic Susceptibility Contrast (DSC) Perfusion Imaging"

O-295 • 3:14:00 PM • ADC Map-Based Classification of Glioma Subtypes in Diffusion-Weighted MR Imaging

O-296 • 3:21:00 PM • Simultaneous pH- and Oxygen-Weighted Metabolic MRI of Human Gliomas at 3T

O-297 • 3:28:00 PM • Development of an Automatic Tumor Detection and Segmentation Algorithm Using Multicontrast MR and Linear Discriminant Analysis

O-298 • 3:35:00 PM • Prediction of Recurrent Glioblastoma After Laser Interstitial Thermal Therapy: Early Changes in the Pattern of DWI with Apparent Diffusion Coefficient Maps

O-299 • 3:42:00 PM • Histological Validation of Glioblastoma Radiomic Profiles at Autopsy

O-300 • 3:49:00 PM • Involvement of the Olfactory Apparatus by CNS Glial Tumors

O-301 • 3:56:00 PM • Correlation Between Von Willebrand Factor Antigen Plasmatic Levels (VWF:Ag) and Dynamic Contrast-Enhanced (DCE) Ktrans in Grade IV Gliomas (GBM): Preliminary Results

O-302 • 4:03:00 PM • Visually Accessable Rembrandt Images Assessment Features Predict Recurrent Gbm Prognostic Outcomes

O-303 • 4:10:00 PM • Use of Quantitative Diffusion-Weighted MR Imaging in Differentiating Between Glioblastoma and Primary Central Nervous System Lymphoma

O-304 • 4:17:00 PM • ADC Edge Metrics in the Differentiation of PCNSL from GBM

**TUESDAY, JUNE 5**

Room #

**15G-PARALLEL PAPER SESSION: BRAIN: INFLAMMATORY AND INFECTIOUS DISEASES**
O-305 • 3:00:00 PM • Cerebrovascular Manifestations in Neurosarcoïdosis at Presentation and Follow-Up: An Under-Recognized Spectrum of the Imaging Manifestation

O-306 • 3:07:00 PM • Imaging Findings in Neurosarcoïdosis at Presentation: Looking at the Bigger Picture

O-307 • 3:14:00 PM • Brain Imaging in Serology Positive Dengue Cases with Neurological Symptoms – a Clinico-Radiological Correlation

O-308 • 3:21:00 PM • Alterations in BBB Permeability in Antineuronal Antibody-Positive Lupus Patients

O-309 • 3:28:00 PM • White-Matter Cellularity Change and Its Association with CSF β-Amyloid in Preclinical and Early Symptomatic AD

O-310 • 3:35:00 PM • Brain Microstructure Changes Revealed by Diffusional-Kurtosis Imaging and Cognitive Impairment in Cirrhotic Patients Without Overt Hepatic Encephalopathy

O-311 • 3:42:00 PM • High-Volume Lumbar Puncture (HVLP) as a Predictor of Shunt Response in Normal-Pressure Hydrocephalus: MRI Features of HVLP Responders Compared to Nonresponders

O-312 • 3:49:00 PM • Altered Structural Brain Connectome and Cognitive Impairment in Cirrhotic Patients with Prior Overt Hepatic Encephalopathy

O-314 • 4:03:00 PM • Multimodal MRI Staging Improves Clinico-Imaging Correlations in sJCD.

O-315 • 4:10:00 PM • "Acute Toxic Leukoencephalopathy: Etiologies, Imaging Findings and Outcomes in One Hundred Patients"

O-316 • 4:17:00 PM • Insoluble Gd Salts May Increase T1 Signal in Deep-Brain Nuclei and Other Tissues

**TUESDAY, JUNE 5**

Room #

**16D-PARALLEL PAPER SESSION: ADVANCED DIAGNOSTIC TECHNIQUES IN CEREBRAL ANEURYSMS AND AVMS**

O-317 • 4:45:00 PM • How Good is CTA in Detecting Blood-Blister Aneurysms? Our 12-Years Experience

O-318 • 4:52:00 PM • An Ultrafast Contrast-Enhanced MRA for Grading Residual Aneurysm After Treatment: Comparison to Time-of-Flight (TOF) MRA and Digital Subtraction Angiography (DSA)

O-319 • 4:59:00 PM • Efficacy of Virtual Reality for Clinical Education to Improve Detection of Intracranial Aneurysms

O-320 • 5:06:00 PM • Relative Pressure Measurements Acquired Using 4D-Flow MRA Compared with Intravascular Catheter Measurements in Patients with Cerebral Aneurysms
# Parallel Scientific Paper Sessions At-A-Glance

<table>
<thead>
<tr>
<th>O-321 • 5:13:00 PM • Biomechanical Changes of Intracranial Aneurysms Using 4D Flow and Vessel-Wall Imaging: A Comparative Analysis Between Evolving Vs. Stable Aneurysms</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-322 • 5:20:00 PM • Intracranial Aneurysms at Higher Clinical Risk for Rupture Demonstrate Increased Wall Enhancement on Vessel Wall MRI</td>
</tr>
<tr>
<td>O-323 • 5:27:00 PM • Correlating Wall Shear Stress and Permeability of Intracranial Aneurysms</td>
</tr>
<tr>
<td>O-324 • 5:34:00 PM • Efficacy of an AVM Classification System that Directs Endovascular Therapies Accurately</td>
</tr>
<tr>
<td>O-325 • 5:41:00 PM • Angiogram Negative Spontaneous Subarachnoid Hemorrhage: The Yield of Repeated Angiogram</td>
</tr>
<tr>
<td>O-326 • 5:48:00 PM • Transradial Diagnostic Cerebral Angiography: Feasibility and Safety in a Community Hospital Setting</td>
</tr>
<tr>
<td>O-327 • 5:55:00 PM • Utility of Follow-Up Imaging in Isolated Perimesencephalic Hemorrhage: An Updated Meta-Analysis</td>
</tr>
<tr>
<td>O-328 • 6:02:00 PM • Utility of Angiography for Etiology of Primary Intraventricular Hemorrhage</td>
</tr>
</tbody>
</table>

**TUESDAY, JUNE 5**

**ROOM #**

**16F-EXCEPTAS: PEDIATRIC HEAD & NECK**

<table>
<thead>
<tr>
<th>E-63 • 4:45:00 PM • Coronoid-process Hyperplasia: A Rare Disorder Masquerading As Temporomandibular Joint Disease</th>
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<tbody>
<tr>
<td>E-64 • 4:49:00 PM • Spontaneous Lateral Sphenoid Sinus Cephalocele Presenting After a Big Sneeze!</td>
</tr>
<tr>
<td>E-65 • 4:53:00 PM • Liposarcoma of the Retropharyngeal Space</td>
</tr>
<tr>
<td>E-66 • 4:57:00 PM • Giant Cell Tumor of the Carotid Sheath</td>
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<tr>
<td>E-67 • 5:01:00 PM • Proximal Tracheal Recurrence in HPV-Positive Squamous Cell Carcinoma of the Base of Tongue: A Rare Occurrence</td>
</tr>
<tr>
<td>E-68 • 5:05:00 PM • A Rare Case of IgG4-Related Pseudotumor of the Middle Cranial Fossa</td>
</tr>
<tr>
<td>E-69 • 5:09:00 PM • Spontaneous Salivary Gland Hemorrhage After Anticoagulation for Acute Bilateral Carotid Arterial Thrombosis in a Pregnant Female with Antiphospholipid Syndrome</td>
</tr>
<tr>
<td>E-70 • 5:13:00 PM • Erdheim Chester Isolated to the Skull Base</td>
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<tr>
<td>E-71 • 5:17:00 PM • Bisphosphonate-Induced Inflammation of the Orbit</td>
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<tr>
<td>E-72 • 5:21:00 PM • Phosphaturic Mesenchymal Tumor: An Uncommon Entity with an Interesting Presentation</td>
</tr>
<tr>
<td>E-73 • 5:25:00 PM • An Atypical Case of Progressive Biparietal Thinning</td>
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</table>
## Parallel Scientific Paper Sessions At-A-Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>E-74 • 5:29:00 PM</td>
<td>Granulomatous Invasive Fungal Sinusitis: Back to Visit… After 25 Years</td>
</tr>
<tr>
<td>E-75 • 5:33:00 PM</td>
<td>On the Nose Diagnosis: A Case of Nasal Extranodal NK/T Cell Lymphoma</td>
</tr>
<tr>
<td>E-76 • 5:37:00 PM</td>
<td>Masticator Space Mass in a Two-Year-Old</td>
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<tr>
<td>E-77 • 5:41:00 PM</td>
<td>Ebstein-Barr Virus Associated Smooth Muscle Tumor in the Head and Neck</td>
</tr>
<tr>
<td>E-78 • 5:45:00 PM</td>
<td>Uncommon Appearance of Peritonsillar Abscess</td>
</tr>
<tr>
<td>E-79 • 5:49:00 PM</td>
<td>Stop and Smell the Rosai: Sinonasal Rosai-Dorfman Disease Presenting with Isolated Nasal Obstruction</td>
</tr>
<tr>
<td>E-80 • 5:53:00 PM</td>
<td>Styloid Process Osteoradionecrosis</td>
</tr>
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**TUESDAY, JUNE 5**

**Room #**

**16G-PARALLEL PAPER SESSION: BRAIN TUMORS: NEW DIAGNOSTIC CONSIDERATIONS I**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>O-329 • 4:45:00 PM</td>
<td>The Status of the MGMT Promoter is Associated with Magnetic Resonance Imaging Characteristics and Prognosis in Glioblastomas</td>
</tr>
<tr>
<td>O-330 • 4:52:00 PM</td>
<td>Differentiation Primary Central Nervous System Lymphoma from Glioblastoma: Probabilistic Analysis Using Voxel-Based Morphometry</td>
</tr>
<tr>
<td>O-331 • 4:59:00 PM</td>
<td>A Move Towards Structured Reporting for Post-Treatment Glioma Response</td>
</tr>
<tr>
<td>O-332 • 5:06:00 PM</td>
<td>Visually AccesSAble Rembrandt Images (VASARI) Assessment Features Predict Recurrent GBM Prognostic Outcomes</td>
</tr>
<tr>
<td>O-333 • 5:13:00 PM</td>
<td>Usefulness of Turbo Spin-Echo Diffusion-Weighted Imaging for Evaluating Various Pituitary Lesions</td>
</tr>
<tr>
<td>O-334 • 5:20:00 PM</td>
<td>White Matter Matters: Consequences of ROI Misplacements in MR Perfusion Analysis Pretreatment Primary Brain Tumor</td>
</tr>
<tr>
<td>O-335 • 5:27:00 PM</td>
<td>Assessment of Early Wallerian Degeneration Using Synthetic MRI and MR Fibrography</td>
</tr>
<tr>
<td>O-336 • 5:34:00 PM</td>
<td>Robustness of Multiparametric and Multiregional MRI Derived Radiomics Features in GBM</td>
</tr>
<tr>
<td>O-337 • 5:41:00 PM</td>
<td>Robustness of Multiparametric and Multiregional MRI Derived Radiomics Features in GBM</td>
</tr>
<tr>
<td>O-338 • 5:48:00 PM</td>
<td>Identification of Thalamic Substructures in High b-Value DWI</td>
</tr>
<tr>
<td>O-339 • 5:55:00 PM</td>
<td>Long-Term Stability of Microbleeds in Susceptibility Weighted Imaging and Quantitative Susceptibility Mapping</td>
</tr>
<tr>
<td>O-340 • 6:02:00 PM</td>
<td>Comparison of the MR Signal Intensities of Iodinated Contrast Agents Mixed with Normal Saline and That Mixed with Blood: Phantom Study</td>
</tr>
</tbody>
</table>
Parallel Scientific Paper Sessions At-A-Glance

**WEDNESDAY, JUNE 6**

**Room #**

**18B-PARALLEL PAPER SESSION: CEREBROVASCULAR IMAGING: NEW APPLICATIONS**

O-341 • 8:00:00 AM • Arterial Spin-Labeling Perfusion MRI Can Indicate Early Development of Moyamoya-Like Vasculopathy in Neurofibromatosis Type I Patients

O-342 • 8:07:00 AM • CT Perfusion in Pediatric Patients: A Single-Center 10-Year Experience

O-343 • 8:14:00 AM • MRI Brain Injury and Neurodevelopmental Outcomes in Neonatal Hypoxic-Ischemic Encephalopathy Treated with Therapeutic Hypothermia. Does Early Treatment Affect the Outcome?

O-344 • 8:21:00 AM • Number of Cerebral Microhemorrhages Correlates with Worse Long-Term Neurologic Outcomes Among Pediatric Patients After Cardiopulmonary Bypass

O-345 • 8:28:00 AM • Resistive Index Values Measured by Head Ultrasound Can Predict Impaired Autoregulation in Cooled Neonates for Hypoxic Ischemic Injury (HII)

O-346 • 8:35:00 AM • Hypoxic-Ischemic Injuries in Abusive Head Trauma

O-347 • 8:42:00 AM • Brain and Cerebrovascular Response to Jugular Compression: Preliminary Evaluation of a Novel Intracranial Protective Mechanism

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**WEDNESDAY, JUNE 6**

**Room #**

**18C-PARALLEL PAPER SESSION: SPINE: FLUOROSCOPY-GUIDED TECHNIQUES**

O-348 • 8:49:00 AM • Establishing Dominance: Incidence of Vertebral Artery Dominance in the Pediatric Population

O-349 • 8:00:00 AM • Imaging Evaluation of Spontaneous Intracranial Hypotension

O-350 • 8:07:00 AM • Treatment of Spontaneous Intracranial Hypotension

O-351 • 8:14:00 AM • Blood Patch Rates Following Lumbar Puncture with Whitacre Versus Quincke Needles: A Randomized Comparative Trial

O-352 • 8:21:00 AM • A Randomized Pilot Study with Fluoroscopy-Guided Lumbar Puncture: Postlumbar Puncture Headache Incidence According to Needle Type

O-353 • 8:28:00 AM • Fluoroscopy Guided Epidural Blood Patch: Success Rates

O-354 • 8:35:00 AM • Transforaminal Lumbar Puncture. A Novel Technique in Patients with Challenging Access

O-355 • 8:42:00 AM • A Multilayer Realistic Tiered Fluoroscopy-Guided Lumbar Puncture Phantom Utilizing 3-D Printing with Tactile Feedback

O-356 • 8:49:00 AM • Time to Switch Sides: A Retrospective Comparative Analysis of Fluoroscopic-Guided Lumbar Puncture in the Lateral Decubitus Versus the Routine Prone Position
## MONDAY, JUNE 4
### 18D-PARALLEL PAPER SESSION: VESEL WALL IMAGING: ADVANCED TECHNIQUES

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<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>O-357</td>
<td>8:00:00 AM</td>
<td>Evaluation of Vessel Wall Magnetic Resonance Imaging In Differentiation of Intracranial Vasculopathies: A New Brick in the Wall?</td>
</tr>
<tr>
<td>O-358</td>
<td>8:07:00 AM</td>
<td>Intracranial Vessel-Wall Imaging and Etiologic Classification of Ischemic Stroke: Analysis of the First 205 Patients at the Toronto Western Hospital</td>
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<tr>
<td>O-359</td>
<td>8:14:00 AM</td>
<td>Reproducibility of 3-D High-Resolution Intracranial Vessel-Wall Magnetic Resonance Imaging for Intracranial Atherosclerotic Disease</td>
</tr>
<tr>
<td>O-360</td>
<td>8:21:00 AM</td>
<td>Correlation of 3-D Time-of-Flight MRA and High-Resolution Vessel-Wall Magnetic Resonance Imaging in the Presence of Vessel-Wall Enhancement</td>
</tr>
<tr>
<td>O-361</td>
<td>8:28:00 AM</td>
<td>Systemic Redox Status and Carotid Intraplaque Hemorrhage</td>
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<tr>
<td>O-362</td>
<td>8:35:00 AM</td>
<td>Validation of Quantitative Vessel-Size Imaging (VSI) in Human Gliomas Using Image-Guided Stereotactic Biopsies</td>
</tr>
<tr>
<td>O-363</td>
<td>8:42:00 AM</td>
<td>3-D Vessel-Wall Imaging of Scalp Arteries: Feasibility and Normal Appearance</td>
</tr>
<tr>
<td>O-364</td>
<td>8:49:00 AM</td>
<td>Utility of High-Resolution Vessel-Wall Imaging in Hypertensive Angiopathy</td>
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## WEDNESDAY, JUNE 6
### 18E-PARALLEL PAPER SESSION: CAROTID ARTERY STENOSIS IMAGING

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<th>Session</th>
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<tbody>
<tr>
<td>O-365</td>
<td>8:00:00 AM</td>
<td>Systemic Oxidative Stress and MRI-Detected Carotid Intraplaque Hemorrhage</td>
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<tr>
<td>O-366</td>
<td>8:07:00 AM</td>
<td>Carotid Plaque Beta Amyloid Precursor Protein Expression Correlates with Inflammation and MRI-Detected Intraplaque Hemorrhage</td>
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<tr>
<td>O-367</td>
<td>8:14:00 AM</td>
<td>Identification of Patients with Carotid Stenosis Using Natural Language Processing</td>
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<tr>
<td>O-368</td>
<td>8:21:00 AM</td>
<td>More than Morphologic Stenosis and Hemodynamic Impairment: Machine Learning Enables Digital Subtraction Angiography to Define the Clinical Impact of Carotid Stenosis</td>
</tr>
<tr>
<td>O-369</td>
<td>8:28:00 AM</td>
<td>Preventive Effect of Residual Stenosis on Hyperperfusion Syndrome After Carotid Artery Stenting Not Followed by Balloon Dilatation</td>
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<tr>
<td>O-370</td>
<td>8:35:00 AM</td>
<td>Carotid Webs: Survey of Current Clinical Practices</td>
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<td>O-371</td>
<td>8:42:00 AM</td>
<td>Imaging of Spontaneous and Traumatic Cervical Artery Dissection: Comparison of Typical CT-Angiographic Features</td>
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<tr>
<td>O-372</td>
<td>8:49:00 AM</td>
<td>Intracranial and Extracranial Atherosclerosis and Cerebral Infarction Patterns with 3T Vessel-Wall Magnetic Resonance Imaging</td>
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Parallel Scientific Paper Sessions At-A-Glance

**WEDNESDAY, JUNE 6**

**Room #**

**18F-PARALLEL PAPER SESSION: GADOLINIUM EFFECTS IN THE BRAIN**

O-373 • 8:00:00 AM • Prior Scans and Intravenous Gadolinium: Radiologists’ Friend or Foe?

O-374 • 8:07:00 AM • Assessment of Adverse Neurologic Effects from Intracranial Gadolinium Deposits Following Intravenous Gadolinium-Based Contrast Administration in a Preclinical Animal Model

O-375 • 8:14:00 AM • Detection of Chelated GBCA in Human Postmortem Brain and Bone Tissue: Distribution by Different Chelate Species

O-376 • 8:21:00 AM • Gadolinium Deposition in the Brain: Quantitative T1 Brain Changes Measured Using a Modified MOLLI Technique in Patients Receiving Two Doses of Gadolinium (MultiHance)

O-377 • 8:28:00 AM • MRI Assessment of Diffusion-Tensor Imaging (DTI) Parameter Changes Within Fiber Tracts Traversing the Globus Pallidus and Dentate Nucleus Related to Deposition of Gadolinium Following Administration of a Linear Gadolinium-Based Contrast Agent (GBCA) Gadolinium Dimeglumine (MultiHance)

O-378 • 8:35:00 AM • Actively Demyelinating Disease May Predispose to Increased Gadolinium Deposition in the Globus Pallidus and Dentate Nucleus

O-379 • 8:42:00 AM • Manganese-Enhanced MRI (MEMRI) of the Brain in Humans

O-380 • 8:49:00 AM • Intravenous Iron Compound Contrast Effects on MR Imaging

O-380a • 8:56:00 AM • Retinography based on fast axonal transport of TTc-488 in a rodent glaucoma model

**WEDNESDAY, JUNE 6**

**Room #**

**20D-PARALLEL PAPER SESSION - JAW, NECK AND ORBIT**

O-381 • 10:30:00 AM • Differentiating Nonsyndromic and Syndromic Odontogenic Keratocysts Using CT Texture Analysis

O-382 • 10:37:00 AM • Using CT Texture Analysis to Differentiate Cystic and Cystic-Appearing Odontogenic Lesions

O-383 • 10:44:00 AM • Utility of Likert Scale (Deauville Criteria) and The Value of Quantitative PET Parameters in Assessment of Radiochemotherapy Response of the Primary Oropharyngeal SCC: Preliminary Results

O-384 • 10:51:00 AM • Age-Related Prevalence of Calcification in the Cartilaginous Eustachian Tube

O-385 • 10:58:00 AM • Negative Predictive Value of NI-RADS Category 2 First Post-Treatment FDG PET/CT in Head and Neck Squamous Cell Carcinoma
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<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>O-386</td>
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<td>Quantitative T2 Mapping and Fat Fraction Measurements of Extraocular Muscles in Thyroid Eye Disease</td>
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<tr>
<td>O-387</td>
<td>11:12:00 AM</td>
<td>Hyperintensity of the Optic Nerve on 3-D FLAIR Imaging is a Sensitive and Specific Sign of Papilledema in Patients with Idiopathic Intracranial Hypertension</td>
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<tr>
<td>O-388</td>
<td>11:19:00 AM</td>
<td>3-D Printing and Visualization of Orbital Trauma: New Tools in Education</td>
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<tr>
<td>O-389</td>
<td>11:26:00 AM</td>
<td>Reproducibility of Globe Temperature Measurement using Diffusion-Based Thermometry</td>
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<tr>
<td>O-390</td>
<td>11:33:00 AM</td>
<td>Diagnostic Yield of MRI for Investigation of Sensorineural Hearing Loss</td>
</tr>
<tr>
<td>O-392</td>
<td>11:47:00 AM</td>
<td>Evaluation of Flow Within the Sigmoid Sinus in Patients with Intracranial Hypertension Before and Following Lumbar Puncture Using 4D flow and 2-D Velocity-Encoded Phase Contrast MRI</td>
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**WEDNESDAY, JUNE 6**

**Room #**

**20F-EXCERPTA: SPINE**

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<td>E-81</td>
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<td>Onyx Embolism: A Feared Complication of Neck Tumor Devascularization</td>
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<tr>
<td>E-82</td>
<td>10:34:00 AM</td>
<td>A Novel Percutaneous Approach to Retrieve an Ingested Extra-Esophageal Foreign Body Using Advanced Interventional Radiology Techniques</td>
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<tr>
<td>E-83</td>
<td>10:38:00 AM</td>
<td>Image-Guided Percutaneous Drainage of Epidural Abscess</td>
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<tr>
<td>E-84</td>
<td>10:42:00 AM</td>
<td>Sacral Insufficiency Fracture as Complication of Palliative Radiotherapy to Lumbosacral Spine</td>
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<td>E-85</td>
<td>10:46:00 AM</td>
<td>Giant Collapsible Intraspinal Varix Mimicking an Epidural Enhancing Mass</td>
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<td>E-86</td>
<td>10:50:00 AM</td>
<td>Unusual Case of Intradural Extramedullary Cervical Spine Hemangioblastoma</td>
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<tr>
<td>E-87</td>
<td>10:54:00 AM</td>
<td>Dialysis-Related Amyloidosis of the Spine – A Mimic of Osseous Metastatic Disease</td>
</tr>
<tr>
<td>E-88</td>
<td>10:58:00 AM</td>
<td>Unusual Location of a Well-Known Entity for Radiologists: Extensive Cervical Paraspinal Tumoral Calcinos in Scleroderma</td>
</tr>
<tr>
<td>E-89</td>
<td>11:02:00 AM</td>
<td>Avoiding a Bloody Mess: Keys to the Imaging Diagnosis of Intraosseous Hemangioblastoma</td>
</tr>
<tr>
<td>E-90</td>
<td>11:06:00 AM</td>
<td>Diffuse Large B- and T-Cell Neurolymphomatosis Preceding Systemic Symptoms of Lymphoma</td>
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<tr>
<td>E-91</td>
<td>11:10:00 AM</td>
<td>Osteosclerotic Multiple Myeloma</td>
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<tr>
<td>E-92</td>
<td>11:14:00 AM</td>
<td>Phosphaturic Mesenchymal Tumor of the Cervical Spine</td>
</tr>
<tr>
<td>E-93</td>
<td>11:18:00 AM</td>
<td>&quot;Osteitis Fibrosa Cystica of the Spine, Imaging Features and Clinical Presentation&quot;</td>
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<tr>
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<tr>
<td>E-94</td>
<td>11:22 AM</td>
<td>Utility Of Spine Steady-State Fast-Filled Echo (FFE) Sequence in the Diagnosis of Chordoma Nonenhancing Leptomeningeal Drop Metastases</td>
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<td>E-95</td>
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<td>Organizing Hematoma Mimicking Spinal Cord Neoplasm After Transplantation of Olfactory Ensheathing Cells</td>
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<tr>
<td>E-96</td>
<td>11:30 AM</td>
<td>Serous Atrophy of the Bone Marrow in Anorexia Nervosa</td>
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<td>E-97</td>
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<td>Subarachnoid and Intraventricular Fat Emboli Secondary to a Sacral Fracture Through a Perineural Cyst</td>
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**WEDNESDAY, JUNE 6**

**Room #**

**21D-PARALLEL PAPER SESSION: ADVANCED TECHNIQUES IN QUANTITATIVE IMAGING**

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<tr>
<td>O-393</td>
<td>1:15 PM</td>
<td>Preclinical Detection-Based Spectral CT Scanner Produces Improved Intracranial Vascular Enhancement and Gray-White Matter Differentiation with Virtual Monoenergetic Reconstructions Compared to Conventional CTA</td>
</tr>
<tr>
<td>O-394</td>
<td>1:22 PM</td>
<td>Dual-Energy CT Iodine Markers for Assessment of Intracranial Hematoma Expansion Risk</td>
</tr>
<tr>
<td>O-395</td>
<td>1:29 PM</td>
<td>Dual-Energy CT Angiography-Derived Virtual Noncontrast Images in Patients with Surgically Clipped Aneurysms</td>
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<tr>
<td>O-396</td>
<td>1:36 PM</td>
<td>Longitudinal Analysis of Quantitative Brain MRI in Astronauts Following Microgravity Exposure</td>
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<tr>
<td>O-397</td>
<td>1:43 PM</td>
<td>Utility of Minimum and Maximum Intensity Projection Images From 3-D Volumetric Sequences For Detection of Focal Cortical Dysplasias</td>
</tr>
<tr>
<td>O-398</td>
<td>1:50 PM</td>
<td>On the Potential Role of Fast Multispectral qMRI and Synthetic MRI in Ischemic Stroke Patients with Unknown Time of Onset</td>
</tr>
<tr>
<td>O-399</td>
<td>1:57 PM</td>
<td>Comparison of Velocity-Selective and Pulsed ASL Perfusion MRI in Patients with Suspected Cerebral Cortical Ischemia</td>
</tr>
<tr>
<td>O-400</td>
<td>2:04 PM</td>
<td>Quantitative Susceptibility Mapping of Intracranial Calcification and Hemorrhage: Preliminary Results from a Human Trial</td>
</tr>
<tr>
<td>O-401</td>
<td>2:11 PM</td>
<td>Axonal Water Fraction (AWF)-Based Corpus Callosum Registration for Voxel-Wise Analysis: A Diffusion Study</td>
</tr>
<tr>
<td>O-402</td>
<td>2:18 PM</td>
<td>Reversing the Frequency Encoding Direction in Brain MRI Mitigates Susceptibility Ghost Artifact Caused by Dental Metal</td>
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<tr>
<td>O-403</td>
<td>2:25 PM</td>
<td>A Novel Computer Vision Voxel-Based Imaging Tool for Surgical Planning in Skull-Base Tumors</td>
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<tr>
<td>O-404</td>
<td>2:32 PM</td>
<td>Texture Analysis Utilization for Differentiating Pituitary Adenomas and Normal Pituitary Gland</td>
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### WEDNESDAY, JUNE 6

**Room #**

#### 21E-PARALLEL PAPER SESSION - DECISION SUPPORT, VALUE, AND SAFETY

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<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>O-405</td>
<td>1:15:00 PM</td>
<td>Implementation of Imaging Clinical Decision Support: Does CDS Lead to Appropriate Use of Imaging Order?</td>
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<tr>
<td>O-406</td>
<td>1:22:00 PM</td>
<td>&quot;Use of Radiology Support, Communication and Alignment Network to Improve Lumbar Spine MRI Appropriateness for Low Back Pain: A Two-Year Follow-Up&quot;</td>
</tr>
<tr>
<td>O-407</td>
<td>1:29:00 PM</td>
<td>Deleterious Effects of Poor Histories on Emergency MRI Neuroimaging</td>
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<td>O-408</td>
<td>1:36:00 PM</td>
<td>Effectiveness of a Hospital System Intervention for Cord Compression: Are We Casting Our Net Too Wide?</td>
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<tr>
<td>O-409</td>
<td>1:43:00 PM</td>
<td>Computed Tomography Perfusion Aides in the Prognostication of Comatose Postcardiac Arrest Patients</td>
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<tr>
<td>O-410</td>
<td>1:50:00 PM</td>
<td>Analysis of MRI Report Quality in Patients with Painful Osteoporotic Vertebral Compression Fractures</td>
</tr>
<tr>
<td>O-411</td>
<td>1:57:00 PM</td>
<td>Transverse Venous Sinus Stenosis in the Setting of Idiopathic Intracranial Hypertension: Are We Under-Reporting and Can Education Improve Its Identification?</td>
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</tbody>
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### WEDNESDAY, JUNE 6

**Room #**

#### 21F-PARALLEL PAPER SESSION - HEAD AND NECK: CONGENITAL, SALIVARY, AND TEMPORAL BONE

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<tr>
<td>O-412</td>
<td>2:04:00 PM</td>
<td>Utility of Routine Neck MRA in a Pediatric MRI Stroke Protocol</td>
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<td>O-413</td>
<td>2:11:00 PM</td>
<td>Does Including Neck CTA Imaging for the Workup of Suspected Intracranial Hemorrhage Add Value?</td>
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<tr>
<td>O-414</td>
<td>2:18:00 PM</td>
<td>Instituting a Protocol for MRIs in Patients with Cardiac Devices: Promote Patient Safety and Billing Compliance</td>
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<tr>
<td>O-415</td>
<td>2:25:00 PM</td>
<td>Integrative Neuroradiology Medical Physics Curriculum Enhances Resident Education</td>
</tr>
<tr>
<td>O-416</td>
<td>2:32:00 PM</td>
<td>&quot;Acute Adverse Reactions Following Gadolinium-Based Contrast Agent Administration: A Single-Center Review of 281,945 Injections&quot;</td>
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</tbody>
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### Room #

#### 21F-PARALLEL PAPER SESSION - HEAD AND NECK: CONGENITAL, SALIVARY, AND TEMPORAL BONE

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<tr>
<th>Session</th>
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<tbody>
<tr>
<td>O-417</td>
<td>1:15:00 PM</td>
<td>The Spectrum of Stylohyoid Anomalies with Embryologic Considerations</td>
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<tr>
<td>O-418</td>
<td>1:22:00 PM</td>
<td>Quantitative Evaluation of Imaging Quality and Diagnostic Performance PROPELLER Diffusion-Weighted MR Imaging in Parotid Gland Tumors</td>
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<tr>
<td>O-419</td>
<td>1:29:00 PM</td>
<td>Assessing Abnormal FLAIR Signal Changes in the Cochlea Pre and Posthearing Preservation Surgery</td>
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O-420 • 1:36:00 PM • Audiometric Implications of Isolated Internal Auditory Canal Diverticula

O-421 • 1:43:00 PM • A Color-Coded 3-D Printed Modular Puzzle of the Temporal Bone As A Novel Conceptual Anatomy Teaching Tool

O-422 • 1:50:00 PM • Effectiveness of a Conceptual 3-D Printed Model of the Middle Ear in Teaching Complex Neuroanatomy

O-423 • 1:57:00 PM • Characterizing Enhancement in the Internal Auditory Canal on Postcontrast Radial VIBE

O-424 • 2:04:00 PM • Pre and Postflight Size Comparison of the Major Dural Venous Sinuses in Astronauts

O-425 • 2:11:00 PM • Ultra High-Resolution CT Scan of the Temporal Bone

O-426 • 2:18:00 PM • Three-Dimensional Printing the Intra and Extracranial Segments of the Cranial Nerves Utilizing High-Resolution MRI and CT Coregistration

O-427 • 2:25:00 PM • Importance of Scout Images in Cross-Sectional Imaging

O-428 • 2:32:00 PM • Craniocervical and Posterior Fossa Dimensions Can Affect Need for Decompressive Craniotomy in Posterior Fossa Hemorrhage

WEDNESDAY, JUNE 6
Room #

22D-PARALLEL PAPER SESSION - PEDIATRIC: ADVANCED TECHNIQUES

O-429 • 3:00:00 PM • Impact Exposure Threshold Changes in Gray Matter and Cerebrospinal Fluid Volumes in the Absence of Concussion

O-430 • 3:07:00 PM • Cerebral Peduncle White Matter Modeling Abnormalities Related to Head Impact Exposure After a Season of High School Football

O-431 • 3:14:00 PM • MEG Measured Delta Waves Increase After Concussion

O-432 • 3:21:00 PM • Diffusion Metric Variability in the Normal Pediatric Spinal Cord

O-433 • 3:28:00 PM • Volumetric Analysis of Pediatric Spinal Cord Structural MRI Data Using SCT

O-434 • 3:35:00 PM • Single-Institution Experience of Intraspinal Tumors Presenting with Leptomeningeal Disease in the Pediatric Population

O-435 • 3:42:00 PM • Driver Mutations in Pediatric Diffuse Gliomas with Histone H3 K27M Mutation

O-436 • 3:49:00 PM • Proliferative Index Influences Early Radiological Response Pattern of Pediatric High-Grade Recurrent Gliomas Treated with HSV-1 G207 Oncolytic Immunovirotherapy
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<tr>
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<tbody>
<tr>
<td>3:56:00 PM</td>
<td>Textural Analysis of Posterior Fossa Pediatric Brain Tumors on T2 Weighted MRI Images</td>
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<tr>
<td>4:03:00 PM</td>
<td>Volumetry of Pediatric Low-Grade Gliomas Compared to Linear Tumor Measurements</td>
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<tr>
<td>4:10:00 PM</td>
<td>An Image Processing Algorithm to Aid Diagnosis of Mesial Temporal Sclerosis in Children: A Case-Control Study</td>
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<tr>
<td>4:17:00 PM</td>
<td>Image Processing to Allow Distinction of MTS-Affected and Normal Hippocampi In Children Undergoing Epilepsy Surgery</td>
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**WEDNESDAY, JUNE 6**

**22E-PARALLEL PAPER SESSION: BRAIN TUMORS: NEW DIAGNOSTIC CONSIDERATIONS II**

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<tr>
<td>3:00:00 PM</td>
<td>Features of Diffuse Gliomas that are Misdiagnosed on Initial Neuroimaging</td>
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<tr>
<td>3:07:00 PM</td>
<td>MR Fractal Analysis and Diffusion MR Metrics in Benign and Atypical Meningiomas: Multicenter Study</td>
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<tr>
<td>3:14:00 PM</td>
<td>Radiological-Pathological Correlations and Imaging Signatures for Gliomas</td>
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<tr>
<td>3:21:00 PM</td>
<td>Foretelling the Genotype: Predicting Lower-Grade Glioma Classification Based on the Preoperative MRI</td>
</tr>
<tr>
<td>3:28:00 PM</td>
<td>Quantification of Perihematomal Edema on CT in the Discrimination of Tumorous and Intracerebral Hemorrhage from Benign Causes</td>
</tr>
<tr>
<td>3:35:00 PM</td>
<td>Comparison of T1 Mapping and Fixed T1 Method in Quantification and Diagnostic Accuracy of Dynamic Contrast-Enhanced MRI Perfusion Biomarkers in Gliomas</td>
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<tr>
<td>3:42:00 PM</td>
<td>3-D High-Resolution Postcontrast Imaging at 3T for the Delineation of Enhancing Brain Tumors: A Comparison of MPRAGE with SPACE and VIBE Techniques</td>
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<tr>
<td>3:49:00 PM</td>
<td>White-Matter Changes in Patients with Primary Central Nervous System Lymphoma Following High-Dose Methotrexate Treatment With or Without Rituximab</td>
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<tr>
<td>3:56:00 PM</td>
<td>Third Ventricular Colloid Cysts: Correlation of MRI Findings with Clinical Outcome</td>
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<tr>
<td>4:03:00 PM</td>
<td>Pretreatment ADC Values to Predict Response of Vestibular Schwannoma to Gamma Knife Radiosurgery</td>
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<tr>
<td>4:10:00 PM</td>
<td>Delayed Diagnosis Worsens Outcome in Primary Central Nervous System Lymphoma (PCNSL): A Single-Center Review</td>
</tr>
<tr>
<td>4:17:00 PM</td>
<td>&quot;Laser Interstitial Thermal Therapy In Brain Tumors: Immediate, Short- and Long-Term Appearance on DWI with Apparent Diffusion Coefficient Maps&quot;</td>
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Parallel Scientific Paper Sessions At-A-Glance

**WEDNESDAY, JUNE 6**

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**22F-EXCERPTA: PEDIATRICS AND HEAD & NECK CASES**

- E-98 • 3:00:00 PM • Atlanto-Axial Instability with Displacement of the Dens Behind the Transverse Ligament
- E-99 • 3:04:00 PM • "A Rare Case of Gallbladder Polyposis in Juvenile Subtype of Metachromatic Leukodystrophy: An MR, Spectroscopy, and US Correlation"
- E-100 • 3:08:00 PM • A Case of Parry-Romberg Syndrome with Abnormal Perfusion
- E-101 • 3:12:00 PM • 'Mogging' Between NMO and MS: Can Anti-MOG Antibody Save Your Day?
- E-102 • 3:16:00 PM • PML Posterior Fossa in a Child
- E-103 • 3:20:00 PM • Cerebral Mucormycosis Mimicking a Brain Tumor
- E-104 • 3:24:00 PM • Congenital Trigeminal Nerve Agenesis as a Cause of Childhood Neurotrophic Keratitis and Near Blindness
- E-105 • 3:28:00 PM • Stroke-like Migraine Attacks after Radiation Therapy (SMART) Syndrome: Case Report of a Pediatric Brain Tumor Survivor Presenting 24 Years Following Radiation Therapy
- E-106 • 3:32:00 PM • Large Scalp Congenital Hemangioma with Internal Necrosis and Calcifications Masquerading Teratoma or Sarcoma: Four Illustrative Cases
- E-107 • 3:36:00 PM • Hairy Polyp
- E-108 • 3:40:00 PM • MR Imaging and Spectroscopy in Adenylsuccinate Lyase Deficiency
- E-109 • 3:44:00 PM • Rubinstein-Taybi Syndrome: A Case of Corpus Callosal Agenesis and Intracranial Diffuse B-Cell Lymphoma
- E-110 • 3:48:00 PM • Temporomandibular Joint Synovial Chondromatosis
- E-111 • 3:52:00 PM • Aneurysmal Bone Cyst within Fibrous Dysplasia: A Rare Association in the Sinuses
- E-112 • 3:56:00 PM • Bilateral Cranial Nerve VI Palsy Secondary to Radiation Treatment of Nasopharyngeal Carcinoma: A Unique Cause of Diplopia
- E-113 • 4:00:00 PM • Temporal Encephalocele: An Uncommon Cause of Acute Otitis Media and Meningitis
- E-114 • 4:04:00 PM • Riedel's Thyroiditis
- E-115 • 4:12:00 PM • Lobular Capillary Hemangioma of the Mandible
- E-116 • 4:16:00 PM • Reversible Hypoglossal Nerve Denervation: A Rare Diagnosis of Exclusion

**WEDNESDAY, JUNE 6**

**Room #**

**23D-PARALLEL PAPER SESSION: APPLICATIONS OF FUNCTIONAL MR IMAGING**
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<tbody>
<tr>
<td>O-453 • 4:45:00 PM</td>
<td>Feasibility of Resting-State Functional Magnetic Resonance Imaging (RS-fMRI) in Localizing Eloquent Cortex in Pretreatment Planning in Arteriovenous Malformation</td>
</tr>
<tr>
<td>O-454 • 4:52:00 PM</td>
<td>Comparison Between Task Activation and Resting-State Connectivity Maps in the Motor and Language Networks for Presurgical Planning</td>
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<tr>
<td>O-455 • 4:59:00 PM</td>
<td>Functional Outcome Following Temporal Lobe Surgery for Refractory Epilepsy Based on Memory Functional MRI</td>
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<tr>
<td>O-456 • 5:06:00 PM</td>
<td>Correlation of Functional MRI with WADA Test and Surgical Outcomes for Hemispheric Language Lateralization in Refractory Epilepsy</td>
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<tr>
<td>O-457 • 5:13:00 PM</td>
<td>Altered Dynamic Functional Connectivity in Default Mode Network in Minimal Hepatic Encephalopathy</td>
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<tr>
<td>O-458 • 5:20:00 PM</td>
<td>Effect of Sedation on Resting-State Functional Magnetic Resonance Imaging: A Single-Center Experience</td>
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<tr>
<td>O-459 • 5:27:00 PM</td>
<td>Aberrant Topological Organization of the Functional Brain Network Associated with Prior Overt Hepatic Encephalopathy in Cirrhotic Patients</td>
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<tr>
<td>O-460 • 5:34:00 PM</td>
<td>Disrupted Resting-State Functional Connectivity in Patients with Traumatic Anosmia</td>
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<tr>
<td>O-461 • 5:41:00 PM</td>
<td>Altered Variability in Functional Connectivity of the Anterior Cingulate Cortex in Patients with Treatment-Resistant and Non-treatment-Resistant Depression</td>
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<tr>
<td>O-462 • 5:48:00 PM</td>
<td>Segmentation of the Globus Pallidus Internus Using Probabilistic Diffusion Tractography for Deep-Brain Stimulation Targeting in Parkinson's Disease</td>
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<tr>
<td>O-463 • 5:55:00 PM</td>
<td>Tracing Ventral and Dorsal Language Streams of the Human Brain Using High-Resolution Diffusion-Tensor Tractography on 3T</td>
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<tr>
<td>O-464 • 6:02:00 PM</td>
<td>Prediction of Remission to Pharmacotherapy in Late-Life Depression Using Baseline and Single-Dose Neural Activation</td>
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**WEDNESDAY, JUNE 6**

**Room # 23F-PARALLEL PAPER SESSION:** STROKE IMAGING: DIAGNOSIS AND PROGNOSIS I

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<tr>
<td>O-465 • 4:45:00 PM</td>
<td>Contralateral Cerebral Blood Flow Measured with Arterial Spin-Labeling MRI Predicts Outcome in Acute Ischemic Stroke</td>
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<tr>
<td>O-466 • 4:52:00 PM</td>
<td>Resting-State Functional Connectivity MRI and Outcome After Acute Stroke</td>
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<td>O-476a</td>
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**THURSDAY, JUNE 7**

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<tr>
<td>O-477</td>
<td>8:00:00 AM</td>
<td>Sensitivity and Interrater Reliability of Stroke Protocol CT in the Early Detection of Stroke Mimics</td>
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<tr>
<td>O-478</td>
<td>8:07:00 AM</td>
<td>Hemorrhagic Transformation and Aspirin Prescription After Thrombectomy: An Interrater and Intrarater Agreement Study</td>
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<tr>
<td>O-479</td>
<td>8:14:00 AM</td>
<td>Predicting Recanalization in Acute Stroke Patients After Intravenous Thrombolysis</td>
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<tr>
<td>O-480</td>
<td>8:21:00 AM</td>
<td>CTA Collaterals Versus CT Perfusion CBF Maps for Core Infarct Volume Assessment in Patient Selection for Intra-Arterial Thrombectomy?</td>
</tr>
<tr>
<td>O-481</td>
<td>8:28:00 AM</td>
<td>Solving the Puzzle of Brain Infarction Versus Stroke Mimics in Young Patients</td>
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</table>
O-482 • 8:35:00 AM • The Influence of CT Perfusion on the Selection of Stroke Patients for Endovascular Therapy

O-483 • 8:42:00 AM • Predicting Neurological Outcome After Cardiac Arrest Using Quantitative Diffusion-Weighted Imaging Analysis

THURSDAY, JUNE 7
Room #
25D-PARALLEL PAPER SESSION: INTERVENTIONAL: ANEURYSMS AND AVMS

O-484 • 8:00:00 AM • Nonischemic Cerebral Enhancing Lesions Secondary to Endovascular Aneurysm Therapy: A French National Registry

O-485 • 8:07:00 AM • Embolization of Dural Cavernous Fistulas Via Image-Guided Superior Ophthalmic Vein Access: Report of 20 Cases and Review of Literature

O-486 • 8:14:00 AM • Ear Arteriovenous Malformation Management

O-487 • 8:21:00 AM • Mandibular AVM Diagnosis and Curative Endovascular Treatment

O-488 • 8:28:00 AM • Head and Neck Endovascular Repair of Vascular Malformations

O-489 • 8:35:00 AM • Cost-Effectiveness of CT Angiography in Management of Tiny UIAs

O-490 • 8:42:00 AM • Comparison of Wall Shear Stress and Flow Morphology in a Patient with an Intracranial Aneurysm with Aneurysm Model of the Same Patient Generated Using 3-D Printing

O-491 • 8:49:00 AM • Angiogram-Negative Spontaneous Intracranial Subarachnoid Hemorrhage: A Multicenter Study of Rebleeding Rate and Pattern of Hemorrhage

O-491a • 8:56:00 AM • Application of the intracranial arterial pulsatility index for determination of lacunar infarct prognosis

THURSDAY, JUNE 7
Room #
25E-PARALLEL PAPER SESSION: INTERVENTIONAL: ADVANCED TECHNIQUES

O-492 • 8:00:00 AM • Sofia Intermediate Catheter and the SNAKE Technique: Safety and Efficacy of the Sofia Catheter Without Guidewire or Microcatheter Construct

O-493 • 8:07:00 AM • Endovascular Management of Severe Stenosis of Supra-Aortic Arteries in Patients of Takayasu Arteritis

O-494 • 8:14:00 AM • The pCANvas Neck Bridging Device for the Treatment of Wide-Necked Bifurcation Aneurysms – Initial Results
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<td>The pCONus2 Neck Bridging Device – Early Clinical Experience and Immediate Angiographic Results</td>
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<tr>
<td>O-496 • 8:28:00 AM</td>
<td>Intrasaccular Flow Diversion for Bifurcation and Terminal Aneurysms: Buenos Aires Experience and Long-Term Follow-Up with pCANvas</td>
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<tr>
<td>O-497 • 8:35:00 AM</td>
<td>Hydrophilic Polymer Coating Inhibits Platelet Adhesion In Vitro and In Vivo</td>
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<td>O-498 • 8:42:00 AM</td>
<td>Clinico-Imaging Outcome of Dural Sinus Thrombectomy Using Fogarty Balloon – A Single-Center Experience</td>
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<td>O-499 • 8:49:00 AM</td>
<td>Novel Angiographic Phantom and Method for Evaluating Spatial and Contrast Resolution of Digital Subtraction Angiography on Neuroangiographic Systems</td>
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<td><strong>27D-PARALLEL PAPER SESSION: UPDATES IN INTERVENTIONAL NEURO</strong></td>
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<td>O-500 • 10:30:00 AM</td>
<td>Impact of Different Reconstruction Algorithms and Different Slice Thicknesses on an Automated Stroke Software Tool to Detect Early Ischemic Changes</td>
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<td>O-501 • 10:37:00 AM</td>
<td>Predicting Final Infarct Volume in Stroke Patients Following Endovascular Treatment Using Dual-Energy CT Mixed Images</td>
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<td>O-502 • 10:44:00 AM</td>
<td>Failure of Recanalization is More Frequent in Proximal ICA and Multiple-Vessel Occlusions</td>
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<td>O-503 • 10:51:00 AM</td>
<td>TICI 0/1 Recanalization: Analysis of Reasons Contributing to Unsuccessful Endovascular Recanalization in Stroke Patients</td>
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<td>O-504 • 10:58:00 AM</td>
<td>Influence of the Time of Day on the Care of Stroke Patients Undergoing Endovascular Stroke Therapy</td>
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<td>O-505 • 11:05:00 AM</td>
<td>Applicability of the SWIFT-PRIME Inclusion Criteria on an Unselected Patient Population</td>
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<td>O-506 • 11:12:00 AM</td>
<td>Degree of Conjugate Gaze Deviation on Computed Tomography Scan Predicts Proximal Vessel Occlusion and Expedites Candidates for Endovascular Therapy</td>
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<td>O-507 • 11:19:00 AM</td>
<td>Early Cerebral Vein After Endovascular Ischemic Stroke Treatment Predicts Symptomatic Reperfusion Hemorrhage</td>
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<td>O-508 • 11:26:00 AM</td>
<td>Examination of Radiation Exposure Imparted to Adults Undergoing Various Procedures in the Neurointerventional Setting</td>
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<tr>
<td>O-509 • 11:33:00 AM</td>
<td>Percutaneous Radial Arterial Approach as an Alternative Access for Neurointerventional Stroke Treatment and Coil Embolization: Report of 14 Cases and Review of Literature</td>
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**27E-PARALLEL PAPER SESSION: QUANTITATIVE IMAGING: ADVANCED TECHNIQUES AND METHODS**

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<td>Comparative Effectiveness Analysis of Pipeline Device Versus Coiling in Unruptured Aneurysms &lt;10 mm</td>
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<td>O-512 • 10:30:00 AM</td>
<td>Understanding Impact of Rotation of Encoding Vector During Image Preprocessing on Tract Specific Diffusion Metrics in Deterministic Tractography</td>
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<td>O-513 • 10:37:00 AM</td>
<td>Tract-Based Fractional Anisotropy as a Function of Tract Length Using Deterministic 3-D Tractography</td>
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<tr>
<td>O-514 • 10:44:00 AM</td>
<td>Neuroimaging Microglia: Development of a Quantitative Multicompartment Diffusion MRI Biomarker of Microglial Activation and Neuroinflammation</td>
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<td>O-515 • 10:51:00 AM</td>
<td>Diffusion-Tensor Imaging to Investigate Diet-Induced Changes in Neuronal Tissue Microstructure and Organization</td>
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<tr>
<td>O-516 • 10:58:00 AM</td>
<td>Track Density Imaging to Visualize Thalamolimbic Fiber Tracts at 3 Tesla</td>
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<tr>
<td>O-517 • 11:05:00 AM</td>
<td>Longitudinal Assessment of the Microstructural Integrity of the Superior Longitudinal Fasciculus in Head Injury Survivors with Language Disorders</td>
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<tr>
<td>O-518 • 11:12:00 AM</td>
<td>Evaluation of the Glymphatic System with DTI in Idiopathic Normal Pressure Hydrocephalus</td>
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<tr>
<td>O-519 • 11:19:00 AM</td>
<td>Methylene Blue Modulates Resting Functional Connectivity in the Healthy Elderly Human Brain</td>
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<tr>
<td>O-520 • 11:26:00 AM</td>
<td>Amide Proton Transfer Imaging Can Reflect Tissue Acidosis and Its Reversal: Demonstration with Transient Occlusion to Permanent Occlusion in a Rat Middle Cerebral Artery Occlusion Model</td>
</tr>
<tr>
<td>O-521 • 11:33:00 AM</td>
<td>The Application of Dual-Clustering Segmentation for Brain Hemorrhage and Edema Detection Using CT Images</td>
</tr>
<tr>
<td>O-522 • 11:40:00 AM</td>
<td>Intravoxel Incoherent Motion (IVIM) Perfusion Imaging to Predict the Post-Treatment Cerebral Infarct Volume After Endovascular Reperfusion Therapy and Its Consistency with Routine Perfusion MR Imaging: Initial Clinical Experience</td>
</tr>
<tr>
<td>O-523 • 11:47:00 AM</td>
<td>&quot;Adaptive Statistical Iterative Reconstruction (ASIR) Improves Noncontrast Head CT Sensitivity to Detect Lacunar Infarction Compared to Filtered Back Projection (FBP), Particularly in Neuroradiology Trainee/Early Career&quot;</td>
</tr>
</tbody>
</table>

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