

**The Foundation of the ASNR Symposium 2017  
Discovery and Didactics  
Day One**

**Day 1 - Saturday, April 22, 2017**

<b>SY1 – 10:20am – 10:30am</b>	<b>Opening Remarks</b>	<b>Grand Ballroom (Upper Level)</b>
	Jacqueline A. Bello, MD, FACR, ASNR 2017 Program Chair/President-Elect	

<b>SY2 – 10:30am – 12:00pm</b>	<b>New Dimensions in Neurosurgery</b>	<b>Grand Ballroom (Upper Level)</b>
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*Moderators:*

10:30-11:05am Epilepsy Surgery: New Approaches in Old Problems

-Guy M. McKhann II, MD

11:05am-11:40am Skull Base

-James K. Liu, MD, FACS, FAANS

11:40am-12:00pm Imaging Evaluation for ESBS: Radiology contribution to surgical Candidacy and Surveillance

-Kim O. Learned, MD

<b>10:30am – 1:30pm</b>	<b>Lunch Concessions Stands</b>	<b>Various Locations</b>
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<b>12:15pm – 1:00pm</b>	<b>How to Session: TBD</b>	<b>Grand Ballroom (Upper Level)</b>
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<b>SY3 – 1:30pm – 3:00pm</b>	<b>What's New in Pediatric Neuroimaging</b>	<b>Grand Ballroom (Upper Level)</b>
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*Moderators: Caroline Robson, MD; Christopher G. Filippi, MD*

1:30pm-1:50pm **Optimizing our Neuroimaging Approach in Children.**

*Richard L. Robertson, MD*

1:50pm-2:10pm **Exploiting Recent Advances in MRI and Targeted Protocoling in Pediatric Neuroimaging**

*Arastoo Vossough, PhD, MD*

2:10pm-2:30pm **Motion Correction in Pediatric Brain MR Imaging**

*Roland Bammer, PhD*

2:30pm-2:50pm **New Pediatric Neuroimaging Techniques**

*Mai-Lan Ho, MD*

2:50pm-3:00pm **Questions & Answers**

<b>3:00pm – 3:30pm</b>	<b>Afternoon Beverage Break</b>	<b>Promenade Lobby (Main Level)</b>
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**The Foundation of the ASNR Symposium 2017:  
Discovery and Didactics  
Day One**

**Day 1 - Saturday, April 22, 2017(Continued)**

**SY4 – 3:30pm – 5:00pm    Advanced Imaging Techniques in Head & Neck:    *Grand Ballroom (Upper Level)*  
Current and on the Horizon**

*Moderators:*

- 3:30pm-4:00pm    Perfusion Imaging in Head & Neck  
-Yoshimi Anzai, MD, MPH
- 4:00pm-4:30pm    Dual Energy CT in the Neck  
-Reza Forghani, MD, PhD
- 4:30pm-5:00pm    Biological and Molecular CT Imaging  
-Suresh K. Mukherji, MD, FACR, MBA

**SY5 – 5:00pm – 6:15pm    Clinical fMRI Statistics: Fact, Fiction and Future    *Grand Ballroom (Upper Level)***

*Moderators: Scott H. Faro, MD*

- 5:00pm-5:15pm    Basic fMRI Statistical Methods  
-Devon M. Middleton, PhD
- 5:15pm-5:30pm    fMRI Statistical Pitfalls: New Publicity for an Old Problem  
-Scott H. Faro, MD
- 5:30pm-5:45pm    Managing fMRI Statistical Issues in Clinical Presurgical Mapping  
-Kirk M. Welker, MD
- 5:45pm-6:00pm    Future Efforts at fMRI Standardization and Calibration: QIBA and Beyond  
-Haris Sair, MD
- 6:00pm-6:15pm    Discussion

**The Foundation of the ASNR Symposium 2017  
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Day Two**

**Day 2 - Sunday, April 23, 2017**

<b>6:30am – 8:30am</b>	<b>Breakfast Concession Stands</b>	<b>Various Locations</b>
<b>7:15am – 7:55am</b>	<b>How-To Session: TBD</b>	<b>Grand Ballroom</b>
<b>SY6 – 7:30am – 9:00am A Look to the Future of Cerebrovascular Treatment</b>		<b>Grand Ballroom (Upper Level)</b>
	<i>Moderators:</i>	
7:30am-7:50am	Neuroprotection for Stroke -William J. Mack, MD	
7:50am-8:10am	Endovascular Approaches to Pediatric Tumors-What is the Development? -Steven W. Hetts, MD	
8:10am-8:30am	Imaging and Histopathology of Thrombi in Stroke: Systematic Review and Meta-Analysis -Waleed Brinjikji, MD	
8:30am-8:50am	ICAD-The Frontier of Plaque Imaging -Danny Mandell, PhD, MD, FRCPC	
8:50am-9:00am	Questions	
<b>SY7 – 9:00am – 10:00am Turning Down and Dealing with the Noise</b>		<b>Grand Ballroom (Upper Level)</b>
	<i>Moderators:</i>	
9:00am-9:20am	Metallic Artifact Reduction in CT - Ulrich A. Rassner, MD	
9:20am-9:40am	Metallic Artifact Reduction in MRI -Roland R. Lee, MD, FACR	
9:40am-9:50am	Metallic Artifact Reduction in Neuroangiography -John D. Barr, MD, FACR, FSIR, FAHA	
9:50am-10:00am	Discussion	
<b>10:00am – 10:30am</b>	<b>Morning Beverage Break</b>	<b>Promenade Lobby (Main Level)</b>
<b>SY8 – 10:30am – 12:00pm Machine Learning Artificial Intelligence</b>		<b>Grand Ballroom (Upper Level)</b>
	<i>Moderators:</i>	
10:30am-11:00am	The Future of Artificial Intelligence in Healthcare -Tanveer F. Syeda-Mahmood, PhD	
11:00am-11:30am	Deep Learning: How It Works and How It Can Fail -Bradley J. Erickson, MD, PhD	
11:30am-12:00pm	Deep Learning in Neuroradiology: Review of Basic Concepts, Current Applications, and Future Opportunities -Luciano M. Prevedello, MD, MPH	
<b>10:30am – 1:30pm</b>	<b>Lunch Concession Stands</b>	<b>Various Locations</b>
<b>12:15pm – 1:00pm</b>	<b>Special Session: Bayer/Medscape</b>	<b>Grand Ballroom (Upper Level)</b>

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**Day 2 - Sunday, April 23, 2017 (Continued)**

***SY9 – 1:15pm – 2:45pm    Neuroimaging for Functional Neurosurgery                      Grand Ballroom (Upper Level)***

*Moderators:*  
 1:15pm-1:35pm            Functional Neurosurgery Overview  
                                   -*Kendall Lee, MD, PhD, Mayo Clinic, Neurosurgeon*  
 1:35pm-1:55pm            Technical and Safety Considerations in Functional Imaging of Deep Brain Stimulation (DBS) Leads  
                                   -*Stephen Jones, MD, PhD*  
 1:55pm-2:15pm            Bold fMRI to Assess DBS Lead Efficacy and Complications  
                                   -*Paul Hoon-Ki Min, PhD*  
 2:15pm-2:35pm            MRI Guided Focused Ultrasound for Treatment of Essential Tremors  
                                   -*Jason T. Druzgal, MD, PhD*  
 2:35pm-2:45pm            Discussion

***2:45pm – 3:15pm                                      Afternoon Beverage Break                      Promenade Lobby (Main Level)***

***SY10 – 3:15pm – 4:45pm    Vascular Pathology that Can Hurt and Harm                      Grand Ballroom (Upper Level)***

*Moderators:*  
 3:15pm-3:40pm            Thunderclap Headache-Evaluation Strategies  
                                   -*Robert K. Fulbright, MD*  
 3:40pm-4:05pm            Unruptured Intracranial Aneurysms  
                                   -*Ajay Malhotra, MD*  
 4:05pm-4:30pm            Stroke  
                                   - *Anne Catherine Kim, MD*  
 4:30pm-4:45pm            Discussion

***SY11 – 4:45pm – 6:00pm    Neuroradiology from Dusk until Dawn                      Grand Ballroom (Upper Level)***

*Moderators: Jacqueline A. Bello, MD, FACR, Erin S. Schwartz, MD*  
 Private Practice and Community Settings – *Gregory N. Nicola, MD*  
 Academic with Subspecialty Reads – *Jimmy S. Lee, MD, PhD*  
 Academic Night Coverage by General Radiology – *Barton F. Branstetter, IV, MD*  
 Teleradiology – *Jean-Paul Dym, MD*  
 Resident Training Impact - *David M. Mirsky, MD, Sana Ali, MD & Susan T. Sotardi, MD, MS*  
 Discussion

***6:00pm-7:15pm    ASNR Foundation of the ASNR (FASNR) Symposium  
2017 Closing Reception***