



# American Society of Pediatric Neuroradiology

## **5th Annual ASPNR Scientific Meeting**

**January 13 – 15, 2023**

**New Orleans, LA**

**Thursday, January 12, 2023**

8:30 am                      **Registration**

### **ADVANCED NEUROIMAGING WORKSHOP: PEDIATRIC fMRI**

8:55 am - 9:00 am	<b>Welcome/Introduction</b> Max Wintermark, MD, MS, MBA
9:00 am - 9:20 am	<b>Basics of BOLD Imaging and fMRI Design</b> Arastoo Vossough, MD, PhD
9:20 am - 9:40 am	<b>Eloquent Language and Motor Cortical Anatomy</b> Anna Trofimova MD, PhD
9:40 am - 10:00 am	<b>Clinical fMRI Processing: Common Artifacts and Pitfalls</b> Erik H. Middlebrooks, MD
10:00 am - 10:10 am	<b>Q&amp;A/Break</b>
10:10 am - 10:30 am	<b>Unique Aspects of Pediatric fMRI</b> Rupa Radhakrishnan, MD
10:30 am - 10:50 am	<b>Clinical fMRI Service: From Set Up to Reporting</b> Asim F. Choudhri, MD
10:50 am - 11:00 am	<b>Q&amp;A/Break</b>
11:00 am - 12:30 pm	<b>Hands-On fMRI Post-Processing</b>
12:30 pm - 1:00 pm	<b>Premiere Vendor Sponsored Lunch and Learn</b>
1:00 pm - 1:55 pm	<b>Sapphire Vendor Small Group Sessions</b>
1:55 pm - 2:00 pm	<b>Wrap-up and Closing Survey</b>
2:30 pm – 5:00 pm	<b>Vieux Carré Walking Tour</b> Ritz Carlton Main Entrance

## Friday, January 13, 2023

7:00 am	<b>Registration</b>
7:25 am - 8:20 am	<b>Breakfast</b>
7:35 am - 7:55 am	Gold Level Sponsored Breakfast and Learn 1
7:55 am - 8:15 am	Gold Level Sponsored Breakfast and Learn 2
8:20 am - 8:30 am	<b>Welcome/Announcements</b> Susan Palasis, MD
8:30 am - 8:50 am	<b>Opening Keynote Address: International Outreach</b> Anne G. Osborne, MD

### Session 1: Pediatric Neuroradiology Around the World

*Moderators: Sandeep Bhuta, MBBS, Suely Fazio Ferraciolli, MD, PhD and Bruno A. Policeni, MD*

8:50 am - 9:05 am	<b>Update on Parasitic Diseases: Brazil</b> Leandro Tavares Lucato, MD
9:05 am - 9:20 am	<b>Pediatric CNS HIV/AIDS: Africa</b> Savvas Andronikou, MBBch, PhD
9:20 am - 9:35 am	<b>Nutrition and Disease: Perspectives from India</b> Nihaal K. Reddy, MD
9:35 am - 9:50 am	<b>The Many Faces of TB: Ethiopia</b> Amal Saleh, MD
9:50 am - 9:55 am	<b>Q &amp; A</b>
9:55 am - 10:10 am	<b>Rapid Fire Cases</b> Ajay Taranath, MBBS and Maryam Mohammadzadeh, MD
10:10 am - 10:25 am	<b>Oral Scientific Presentations</b>
10:25 am - 10:45 am	<b>Break</b>
10:45 am - 10:55 am	<b>In Memoriam: Zoltan Patay, MD</b> Thierry A.G.M. Huisman, MD, PhD
10:55 am - 11:10 am	<b>Zoltan Patay Honorary Lecture: Pediatric Posterior Fossa Tumor Imaging in the Molecular Era</b>

Tina Young Poussaint, MD

## Session 2: Current Concepts of Pediatric Brain Tumor Imaging

*Moderators: Asim K. Bag, MBBS, Mark Shiroishi, MD and Alok I. Jaju, MD*

11:10 am - 11:25 am	<b>Pediatric Gliomas: Radiogenomics In Our Future</b> Kristen Yeom, MD
11:25 am - 11:40 am	<b>Perinatal CNS Tumors</b> Patricia Cornejo, MD
11:40 am - 11:55 am	<b>Peering Into Brain Tumor Physiology</b> Benita Tamrazi, MD
11:55 am - 12:00 pm	<b>Q &amp; A</b>
12:00 pm - 12:15 pm	<b>Rapid Fire Cases</b> Avrum Pollock, MD and Adam E. Goldman-Yassen, MD
12:15 pm - 12:30 pm	<b>Oral Scientific Presentations</b>
12:30 pm - 1:15 pm 12:40 pm - 1:10 pm	<b>Lunch</b> Platinum Level Vendor Sponsored Lunch and Learn
1:15 pm - 1:25 pm	<b>2023 Gold Medal Award Ceremony</b> Manohar Shroff, MD
1:25 pm - 1:40 pm	<b>2023 Gold Medal Award Lecture</b> TBD

## Session 3: Neurocutaneous Disorders

*Moderators: Carlos Zamora, MD, PhD, Nathalie Boddaert, MD and Sumit Singh, MBBS*

1:40 pm - 1:55 pm	<b>Neurofibromatosis Type 1 Spectrum of Disease</b> Stavros M Stivaros, BSc, MBChB, PhD
1:55 pm - 2:10 pm	<b>Continuum of Focal Cortical Dysplasia to Hemimegalencephaly</b> Stephen F. Kralik, MD
2:10 pm - 2:25 pm	<b>Vascular Neurocutaneous Abnormalities: What's Important</b> Mark Mamlouk, MD
2:25 pm - 2:40 pm	<b>The Imaging Conundrum of Neurocutaneous Disorders</b>

Laura Hayes, MD

2:40 pm - 2:45 pm

**Q & A**

2:45 pm - 3:00 pm

**Rapid Fire Cases**

William T. O'Brien, Sr, DO and Tushar Chandra, MD

3:00 pm - 3:15 pm

**Oral Scientific Presentations**

3:15 pm - 3:35 pm

**Break**

## Session 4: Leader of the Endocrine Orchestra and Seat of the Soul: Pituitary and Pineal Glands

*Moderators: Laurence J. Eckel, MD, Srikala Narayanan, MD and Carina Yang, MD*

3:35pm - 3:50 pm

**Pituitary Imaging Controversies**

Nadja Kadom, MD

3:50 pm - 4:05 pm

**Developmental and Neoplastic Pituitary Lesions**

Ilana Neuberger, MD

4:05 pm - 4:20 pm

**Craniopharyngioma Imaging Update**

Aylin Tekes, MD

4:20 pm - 4:35 pm

**Pineal Pathology: Borderland of Development and Neoplasia**

Anant Krishnan, MD

4:35 pm - 4:40 pm

**Q & A**

4:40 pm - 4:55 pm

**Rapid Fire Cases**

Jonathan G. Murnick, MD, PhD and Shankar Srinivas Ganapathy, MD

4:55 pm - 5:10 pm

**Oral Scientific Presentations**

5:10 pm - 6:10 pm

**Opening Reception**

## Saturday, January 14, 2023

7:00 am

**Registration**

7:25 am - 8:20 am

**Breakfast**

7:35 am - 7:55 am

Gold Level Sponsored Breakfast and Learn 1

7:55 am - 8:15 am Gold Level Sponsored Breakfast and Learn 2

8:20 am - 8:30 am **Announcements & Charlotte and Thierry Huisman Travel Grant**  
Susan Palasis, MD and Birgit Ertl Wagner, MD

### Session 5: Fetal and Neonatal Neuroimaging

*Moderators: Birgit Ertl Wagner, MD, Daniela Prayer, MD and Jessie Aw-Zoretic, MD*

8:30 am - 8:45 am **Early Embryogenesis of the Vascular System of the Brain**  
Thomas P. Naidich, MD

8:45 am - 9:00 am **Fetal MR: Diagnoses that Make a Difference**  
Usha D. Nagaraj, MD

9:00 am - 9:15 am **Early Fetal MRI: Pushing the Limits of Fetal Neuroradiology**  
Gregor Kasprian, MD

9:15 am - 9:30 am **Neonatal Head Trauma: Challenges and Unanswered Questions**  
Kshitij Mankad, MRCP, FRCR

9:30 am - 9:35 am **Q & A**

9:35 am - 9:50 am **Rapid Fire Cases**  
Beth Kline-Fath, MD and Caroline Guimaraes, MD

9:50 am - 10:05 am **Oral Scientific Presentations**

10:05 am - 10:25 am **Break**

### Session 6: Brain Perfusion and Vascular Disease in Childhood

*Moderators: Nicholas V. Stence, MD, Jason Schroeder, MD and Mesha Martinez, MD*

10:25 am - 10:40 am **Impact of Congenital Heart Disease to the Developing Brain**  
Ashok Panigrahy, MD

10:40 am - 10:55 am **Brain Perfusion and Vascular Disease in Children with Sickle Cell**  
Sumit Pruthi, MBBS

10:55 am - 11:10 am **Focal Cerebral Arteriopathy: Role of the Radiologist**  
Max Wintermark, MD and Heather Fullerton, MD, MAS

11:10 am - 11:25 am **Spinal Cord Stroke**  
V. Michelle Silvera, MD

11:25 am - 11:30 am	<b>Q &amp; A</b>
11:30 am - 11:45 am	<b>Rapid Fire Cases</b> P. Ellen Grant, MD and Mariana Cardoso Diogo, MD
11:45 am - 12:30 pm 11:50 am - 12:20 pm	<b>Lunch</b> Platinum Level Vendor Sponsored Lunch and Learn
12:30 pm - 12:55 pm	<b>ASPNR Business Meeting</b> V. Michelle Silvera, MD

### Session 7: New Technologies/Advanced Imaging Techniques

*Moderator: Robert McKinstry, MD, PhD, Rahul Nikam, MD and Christopher T. Whitlow, MD*

12:55 pm - 1:10 pm	<b>Brain Elastography: An Emerging Clinical Tool</b> Grace Mcilvain, PhD, MBA
1:10 pm - 1:25 pm	<b>AI in Pediatric Neuroimaging: Speed and Resolution</b> Sanjay P. Prabhu, MBBS
1:25 pm - 1:40 pm	<b>ASL Techniques and Applications</b> Hisham Dahmouh, MBChB
1:40 pm - 1:55 pm	<b>High Feld/Low Field MR in Pediatric Neuroimaging</b> Aashim Bhatia, MD, MS and Jeremy Y. Jones, MD
1:55 pm - 2:10 pm	<b>Q &amp; A</b>
2:10 pm - 2:30 pm	<b>Break</b>
2:30 pm	<b>ASPNR Guerbet Research Grant</b> Aashim Bhatia, MD, MS and Kristen Yeom, MD
2:30 pm - 2:40 pm	<b>2022 ASPNR Guerbet Research Grant Award Presentation</b> Yi Li, MD
2:40 pm - 2:45 pm	<b>2023 ASPNR Guerbet Research Grant Award Recipient Announcement</b>

### Session 8: Pediatric Neuroradiology in Practice

*Chang Y. Ho, MD, John H. Rees, MD and Jeffrey H. Miller, MD*

2:45 pm - 3:00 pm	<b>To check or Not to check...</b> Bernadette L. Koch, MD
3:00 pm - 3:15 pm	<b>Does Remote Mean Remote for a Pediatric Neuroradiologist?</b> Nilesh K. Desai, MD
3:15 pm - 3:30 pm	<b>Strategies of Non-Sedate MRI</b> Camilo Jaimes Cobos, MD
3:30 pm - 3:45 pm	<b>Pediatric Health Policy Update from a Neiman Fellow</b> Joshua Hirsch, MD
3:45 pm - 4:00 pm	<b>Q &amp; A</b>
4:00 pm - 4:30 pm	<b>Game Show: Name That Syndrome!</b>
4:30 pm - 5:30 pm	<b>YPS Mentor Mixer</b>
<b>Study Groups</b>	
5:30 pm - 6:30 pm	<b>Pediatric Stroke Study Group</b> Max Wintermark, MD, Nicholas V. Stence, MD and Heather Fullerton, MD
5:30 pm - 6:30 pm	<b>Brain Elastography Study Group</b> Adam E. Goldman-Yassen, MD, Laura Hayes, MD, Grace Mcilvain, PhD, MBA and Rahul Nikam, MD
<b>ASPNR Gala</b>	
7:40 pm - 8:00 pm	<b>Second Line</b> Ritz Carlton Main Entrance
8:00 pm - 11:00 pm	<b>ASPNR Gala</b> House of Blues New Orleans
9:15 pm - 9:30 pm	<b>Abstract Award Presentations</b> Susan Palasis, MD

## **Sunday January 15, 2023**

7:30 am	<b>Registration</b>
7:45 am - 8:40 am	<b>Breakfast</b>
7:55 am - 8:15 am	Gold Level Sponsored Breakfast and Learn 1
8:15 am - 8:35 am	Gold Level Sponsored Breakfast and Learn 2

8:40 am - 8:50 am                      **Announcements & 6th Annual ASPNR Scientific Meeting 2024**

### Session 9: The Complex Head

*Moderators: Jorge Davila, MD, Karen K. Moeller, MD and Julie B. Guerin, MD*

- 8:50 am - 9:05 am                      **Congenital Anomalies of the Skull Base and CCJ**  
Burçe Özgen Mocan, MD
- 9:05 am - 9:20 am                      **Skull Base Pneumatization and its Implications**  
Asha Sarma, MD
- 9:20 am - 9:35 am                      **Cranial Nerves in Children – Normal and Abnormal**  
Amy Juliano, MD
- 9:35 am - 9:50 am                      **Looking Beyond the Face in Congenital Facial Anomalies**  
Neil U. Lall, MD
- 9:50 am - 9:55 am                      **Q & A**
- 9:55 am - 10:10 am                      **Rapid Fire Cases**  
Timothy N. Booth, MD and Alexis Maddocks, MD
- 10:10 am - 10:30 am                      **Break**

### Session 10: Metabolic Disease: When Time is of the Essence

*Moderators: Charles M. Glasier, MD, Elizabeth K. Weidman, MD and Dennis W. Shaw, MD*

- 10:30 am - 10:45 am                      **Inherited Neurometabolic Diseases of the Newborn**  
Bruno P. Soares, MD
- 10:45 am - 11:00 am                      **Differentiating Common Leukodystrophies**  
Sarah J. Moum, MD
- 11:00 am - 11:15 am                      **Early Signs of Metabolic Disease: Improving Prognosis**  
Mai Lan Ho, MD
- 11:15 am - 11:30 am                      **Novel Gene Therapies: What Pediatric Neuroradiologists Need to Know**  
Camilla Lindan, MD
- 11:30 am - 11:35 am                      **Q & A**



11:35 am - 11:50 am

**Rapid Fire Cases**

Korgun Koral, MD and Matthew Barkovich, MD

11:50 am - 11:55 am

**Closing Remarks**

Susan Palasis, MD

11:55 am

**MEETING ADJOURNED**