



4th Annual Scientific Meeting of the **American Society of**

# Pediatric Neuroradiology

ASP NR 2022 • **BACK TO THE BEACH**

**January 7 - 9, 2022**

Eden Roc Hotel, Miami Beach, FL

15.5 AMA PRA Category 1 CME Credits  
Up to 15 SAM Credits Available  
[#ASP NR22](#)



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## From the ASPNR Meeting Program Chair



The American Society of Pediatric Neuroradiology invites you to participate in the **4th Annual Scientific Meeting of the ASPNR!!** This **in-person meeting** will be held at the **Eden Roc Hotel Miami Beach** on **January 7-9, 2022**. We are looking forward to sun, sand, and seeing all our colleagues without the aid of a video camera! The meeting will be 2.5 days (and nights) of action-packed fun and pediatric neuroradiology education. The program will cover challenging topics in pediatric neuroradiology with deep dives into advanced imaging techniques, head and neck imaging, vascular disorders and much more. If it's January, it's time for the most comprehensive pediatric neuroradiology meeting of the year!

**#ASPNR22** will provide a much-needed opportunity to reconnect with colleagues and meet new friends, both in the conference room and on the beach! Join us in Miami on January 7-9, 2022, where you will engage with physicians from around the world for a fantastic educational experience.

**Kindly,**

**Timothy Booth, MD**

ASPNR Vice President

Program Chair 4th Annual Scientific Meeting of the ASPNR

## Accreditation

**Physicians:** This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the providership of Northwest Imaging Forums. Northwest Imaging Forums is accredited by the ACCME to provide continuing medical education for physicians.

Northwest Imaging Forums designates this live activity for a maximum of 15.5 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Self-Assessment Modules (SAMs):** Credits designated "SA-CME" by the American Board of Radiology (ABR) qualify toward fulfilling requirements for Maintenance of Certification (MOC) Part II: Lifelong Learning and Self-assessment.

## Target Audience

- General neuroradiologists and pediatric radiologists looking to expand their fund of knowledge in pediatric neuroimaging and stay informed of new developments
- Pediatric neuroradiologists aiming to learn more about current issues and advances in the field
- General radiologists seeking to improve their understanding and skills in pediatric neuroimaging
- Non-radiologists who are interested in exploring neuroimaging perspectives of pediatric neurologic disease
- Allied health professionals, medical physicists, and medical researchers interested in pursuing practical aspects of pediatric neuroimaging and emerging research
- Physicians-in-training with an early interest in pediatric neuroradiology





## 2021 Program Committee

### **Timothy Booth, MD**

*4th Annual Scientific Meeting of the ASPNR - Program Chair*

V. Michelle Silvera, MD, Meeting Advisory Chair  
 Paul Caruso, MD  
 Rebekah Clarke, MD  
 Nilesh Desai, MD  
 Laurence Eckel, MD  
 Julie Guerin, MD  
 Laura Hayes, MD  
 Neil Lall, MD  
 Mark Mamlouk, MD  
 David Mirsky, MD  
 Susan Palasis, MD  
 Rupa Radhakrishnan, MD  
 Arastoo Vossough, MD, PhD

## 2021 Board Of Directors

Laurence Eckel, MD, Director, President  
 V. Michelle Silvera, MD, Director, President-Elect  
 Timothy Booth, MD, Director, Vice President  
 Paul Caruso, MD, Director, Treasurer  
 David Mirsky, MD Director, Secretary  
 Aashim Bhatia, MD, MS, Director  
 Laura Hayes, MD, Director  
 Mark Mamlouk, MD, Director  
 William O'Brien, DO, Director  
 Susan Palasis, MD, Director  
 Manohar Shroff, MD, FRCPC Director  
 Arastoo Vossough, MD, PhD, Director  
 Kristen Yeom, MD, Director

## Educational Objectives

### **At the completion of the meeting, attendees should be able to:**

- Describe a wide range of imaging techniques and pathologies encountered in the pediatric head and neck
- Systematically evaluate children with hearing loss using both MRI and CT
- Know practical approaches for imaging pediatric patients with cervical adenopathy, branchial plexus injury, central diabetes insipidus and suspected leukodystrophy
- Discern appropriate conditions for fast brain MRI and its potential pitfalls
- Describe pertinent features and use appropriate nomenclature for extraaxial findings in abusive head trauma
- Better understand a variety of advanced neuroimaging techniques for potential use in the pediatric population, such as MR spectroscopy and perfusion imaging (ASL and DSC)
- Evaluate acute and chronic seizure patients, including with the use of advanced techniques such as BOLD, DTI and PET/MRI
- Categorize vascular malformations of the head and neck and become familiar with major associated syndromes and standard treatment options
- Implement strategies to reduce the use of anesthesia using preparation and motion mitigation techniques
- Evaluate patients with a Chiari 1 deformity and understand associated prognostic findings
- Understand autoimmune and demyelinating processes in the children including emerging diseases and biomarkers

## FRIDAY, JANUARY 7, 2022

- 6:45** Registration, Continental Breakfast, Exhibits and Scientific Posters available for viewing
- 7:00** MRI – Increasing access to critical data for neonatal care\* - *Wendy Slatery, CCO*
- 7:20** Breakfast Session\* - *Ellen Grant, MD*
- 7:45** Welcome Remarks - *Timothy Booth, MD*

Session 1: **Pediatric Head and Neck**Moderators: *Laurence Eckel, MD, Paul Bunch, MD, John Rees, MD*

## SAM Session

- 8:00** Fetal Head and Neck Masses - *Orit Glenn, MD*
- 8:15** Solid Head and Neck Masses (nonvascular) - *Karen Moeller, MD*
- 8:30** Head and Neck infections - *Rebekah Clarke, MD*
- 8:45** Imaging of Leukocoria - *Asha Sarma, MD*
- 9:00** Temporomandibular Joint Imaging in Children - *Arastoo Vossough, MD, PhD*
- 9:15** Rapid Fire Carousel - *Paul Caruso, MD*
- 9:30** Session Questions

- 9:40** Oral Scientific Presentations I
- 9:45** **Exhibit Hall Vendor Spotlight**
- 9:55** **Refreshment Break, Visit Exhibits and Scientific Posters**

Session 2: **Practical Imaging Approaches**Moderators: *Karuna Shekdar, MD, Alexis Maddocks, MD, Aylin Tekes-Brady, MD*

- 10:10** Dr. Robert A. Zimmerman Tribute - *Arastoo Vossough MD, PhD*

## SAM Session

- 10:15** Practical Approach to the Child with Cervical Lymphadenopathy - *Jennifer Vaughn, MD*
- 10:30** Practical Approach to the Child with Brachial Plexus Injury - *Hemant Parmar, MBBS*
- 10:45** Practical Approach to the Child with Central Diabetes Insipidus - *V. Michelle Silvera, MD*
- 11:00** Practical Approach to the Child with Leukodystrophy - *Kshitij Mankad, MBBS*
- 11:15** Rapid Fire Carousel - *Rajan Patel, MD, Asthik Biswas, MBBS, Azam Eghbal, MD, Neil Lall, MD presenting for Aaron Betts, MD*
- 11:35** Session Questions

- 11:45** Oral Scientific Presentations II
- 11:50** **Exhibit Hall Vendor Spotlight**
- 12:15** **Gadolinium-based Contrast Agents: Safety and Efficacy\*** - *Kristan Harrington MBA RT (R) (MR) ARRT*
- 1:00** **ASPNR 2022 Gold Medal Award Ceremony, Introduction and Award Presentation**
- 1:05** **2022 Gold Medal Award Lecture**

## FRIDAY, JANUARY 7, 2022 (Continued)

Session 3: **Pediatric Emergency Imaging**Moderators: *Laura Hayes, MD, Hollie Lai, MD, Gayathri Sreedher, MD*

## SAM Session

- 1:15** Extraaxial Findings and Nomenclature in Abusive Head Trauma - *Jason Wright, MD*
- 1:30** Toxic Encephalopathy - *Nilesh Desai, MD*
- 1:45** Indications for Fast Brain MRI - *David Mirsky, MD*
- 2:00** Pitfalls of Fast Brain MRI - *Susan Palasis, MD*
- 2:15** Cervical Spine Trauma Screening - *Luke Linscott, MD*
- 2:30** Rapid Fire Carousel - *Kartik Reddy, MD, Gregory Vorona, MD, Julie Guerin, MD, Elizabeth Weidman, MD*
- 2:45** Session Questions
- 2:55** Oral Scientific Presentations III
- 3:00** **Exhibit Hall Vendor Spotlight**
- 3:15** **Refreshment Break, Visit Exhibits and Scientific Posters**

Session 4: **Pediatric Advanced Imaging**Moderators: *Sarah Moum, MD, Caroline Guimaraes, MD, Diana Rodriguez, MD*

## SAM Session

- 3:30** Myelin Imaging - *Christopher Filippi, MD*
- 3:45** Clinical Applications of ASL - *Michael Iv, MD*
- 4:00** Spectroscopy: When and What To Do - *Matthew Whitehead, MD*
- 4:15** Perfusion Imaging in the Evaluation of Pediatric Brain Tumors - *Chang Ho, MD*
- 4:30** Presurgical Evaluation of Tumors Made Easier - *Mohit Maheshwari, MBBS, MD*
- 4:45** Rapid Fire - *Aashim Bhatia, MD*
- 5:00** Session Questions
- 5:10** End of the day announcements - *Timothy Booth, MD*
- 5:20** **Cocktail reception immediately following closing remarks**

\*Brought to you by an unrestricted educational grant.

SATURDAY, JANUARY 8, 2022

- 6:45** Registration, Continental Breakfast, Exhibits and Scientific Posters available for viewing
- 7:10** Gadolinium-Based Contrast Agents (GBCAs): Update and Understanding\*  
- Prof. Dr. Hubertus Pietsch
- 7:50** Opening Remarks and Introduction 2023 Meeting - Timothy Booth, MD, Susan Palasis, MD, Matt Wilson

Session 5: **Pediatric Epilepsy**

Moderators: Neil Lall, MD, Shehanaz Ellika, MBBS, Birgit Ertl Wagner, MD PhD

**SAM Session**

- 8:00** Evaluation of the Seizure Patient in the Acute Setting - Judith Gadde, DO
- 8:15** Tips and Pitfalls in Identifying Cortical Dysplasias - Jeremy Jones, MD
- 8:30** PET/MRI in the Evaluation of Epilepsy - Hisham Dahmouh, MD
- 8:45** Functional (BOLD and Resting State) MRI in the Young Child - Asim Choudhri, MD
- 9:00** Imaging the Spectrum of Hemispheric Disconnections - Sanjay Prabhu, MBBS
- 9:15** Rapid Fire - Korgun Koral, MD
- 9:30** Session Questions

- 9:40** Exhibit Hall Vendor Spotlight
- 9:40** Refreshment Break, Visit Exhibits and Scientific Posters

Session 6: **Pediatric Temporal Bone**

Moderators: Tushar Chandra, MD, Yi Li, MD, Patricia Cornejo, MD

**SAM Session**

- 9:55** Sensorineural Hearing Loss (Non-syndromic) - William O' Brien, DO
- 10:10** Imaging of Syndromic Hearing Loss: Conductive and Sensorineural - Caroline Robson, MBChB
- 10:25** Conductive Hearing Loss in Children: Where to Look - Amy Juliano, MD
- 10:40** Infection and Inflammatory Disease of the Temporal Bone - Maura Ryan, MD
- 10:55** The Post-surgical Temporal Bone - Gul Moonis, MD
- 11:10** Rapid Fire - Felice D'Arco, MD
- 11:25** Session Questions
- 11:35** Oral Scientific Presentations IV
- 11:40** Exhibit Hall Vendor Spotlight
- 12:05** Gadolinium-Based Contrast Agents: Where we are today\* - Bill Faulkner, BS RT (R) (MR) (CT) FSMRT
- 12:50** ASPNR Business Meeting - Laurence Eckel, MD and ASPNR Board of Directors

SATURDAY, JANUARY 8, 2022 (Continued)

Session 7: **Pediatric Vascular**

Moderators: Nicholas Stence, MD, Barry Rabin, MD, Hayden Head, MD

**SAM Session**

- 1:20** Overview of Vascular Anomalies - Mark Mamlouk, MD
- 1:35** Vascular Syndromes - Carl Merrow, MD
- 1:50** Treatment of Vascular Anomalies in Children - Sheena Pimpalwar, MD
- 2:05** Indications for Cerebral Angiography - Monica Pearl, MD
- 2:20** Vein of Galen Imaging and Treatment - Prakash Muthusami, MD
- 2:35** Rapid Fire - Mesha Martinez, MD
- 2:50** Session Questions
- 3:00** **2021 ASPNR Research Grant Awardee Presentation: Effect of Pre-eclamptic Milieu on Neonatal Brain Perfusion, Growth and Function** - Rupa Radhakrishnan, MD (Introduction Kristen Yeom, MD)
- 3:05** Exhibit Hall Vendor Spotlight
- Refreshment Break, Visit Exhibits and Scientific Posters**
- 3:15**

Session 8: **Consequences of Therapy in Children**

Moderators: Nagwa Wilson, MD, PhD, Swati Mody, MD, Dennis Shaw, MD

**SAM Session**

- 3:30** How to Avoid Anesthesia: From Child Life to Motion Mitigation - Ellen Grant, MD
- 3:45** Fetal MRI: How it Changes Management - Deborah Zarnow, MD
- 4:00** Progression vs Pseudoprogression, Pick One - Benita Tamrazi, MD
- 4:15** Pre- and Postoperative Assessment of Craniofacial Surgery - Jeffrey Miller, MD
- 4:30** Rapid Fire - Usha Nagaraj, MD
- 4:45** Session Questions
- 4:55** **End of day announcements and introduction of game show host - Timothy Booth, MD**
- 5:00** **Game Show - David Mirsky, MD**
- 7:30** **Gala Dinner and Awards Ceremony**  
Oral paper, scientific poster, educational poster award presentations and ASPNR - 2022 ASPNR-Guerbet Research Grant recipient announcement

\*Brought to you by an unrestricted educational grant.



SUNDAY, JANUARY 9, 2022

- 6:45** Registration, Continental Breakfast, Exhibits and Scientific Posters available for viewing
- 7:00** Breakfast
- 7:50** Welcome Remarks - *Timothy Booth, MD, Matt Wilson*

Session 9: **Congenital Brain and Spine**

Moderators: *Srikala Narayanan, MD, Anant Krishnan, MD, Lorena Vidal, MD, DABR*

**SAM Session**

- 8:00** Microcephaly: Destruction, Disruption or Malformation - *Thierry Huisman, MD*
- 8:15** Fetal MRI: Advanced Imaging Techniques - *Beth Kline-Fath, MD*
- 8:30** Neonatal Metabolic Disorders - *Bruno Soares, MD*
- 8:45** Less Common Neurocutaneous Syndromes - *Edward Yang, MD, PhD*
- 9:00** Chiari 1 Plus... - *Gilbert Vezina, MD*
- 9:15** The Tethered Spinal Cord - *Stephen Kralik, MD*
- 9:30** Rapid Fire - *Jonathan Murnick, MD, PhD*
- 9:45** Session Questions

- 9:55** **Exhibit Hall Vendor Spotlight**
- 9:55** **Refreshment Break, Visit Exhibits and Scientific Posters**

SUNDAY, JANUARY 9, 2022

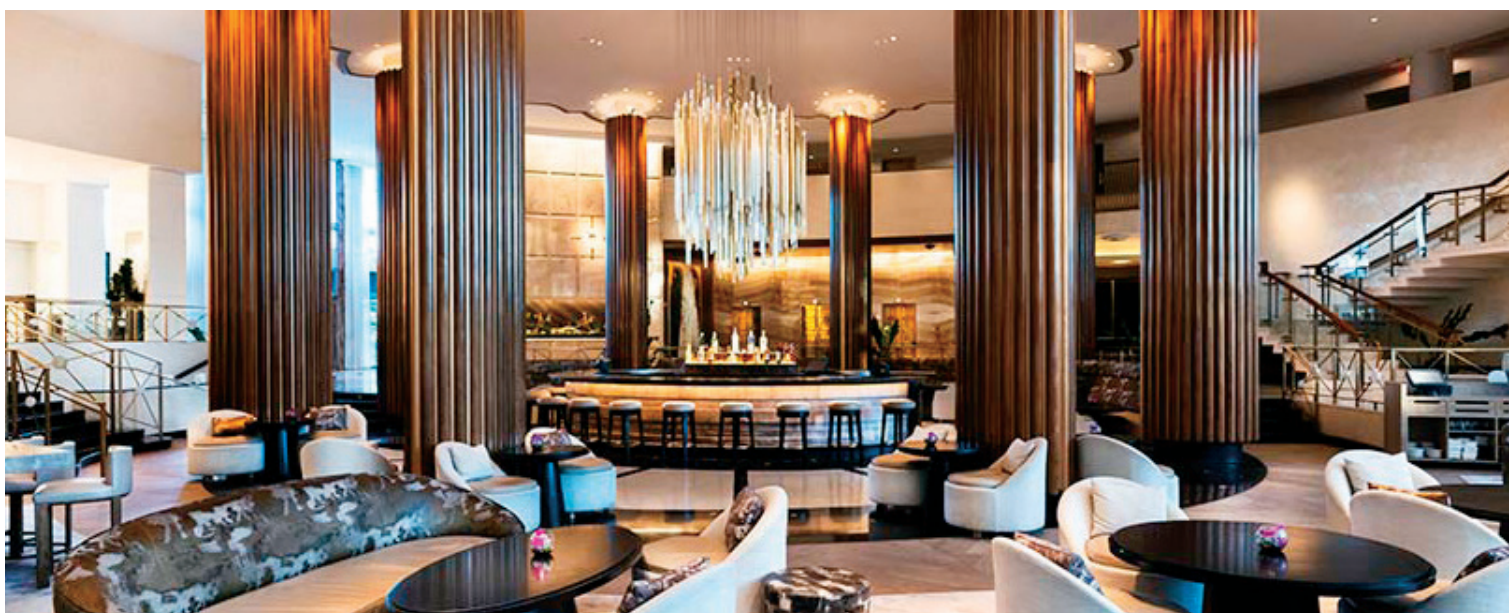
Session 10: **Pediatric Autoimmune, Infectious and Demyelinating Processes**

Moderators: *Sumit Singh, MD, Nadja Kadom MD, Jessie Aw-Zoretic, MD*

- 10:10** Andrea Poretti Honorary Lecture Introduction - *Thierry Huisman, MD*

**SAM Session**

- 10:15** Andrea Poretti Honorary Lecture: Cerebellar Inflammatory Disorders - *Mark Gorman, MD*
- 10:35** ADEM, MOG and NMO Differentiators - *Sumit Pruthi, MBBS*
- 10:50** Autoimmune Encephalitis - *Neel Madan, MD*
- 11:05** COVID Update - *Kerri LaRovere, MD*
- 11:20** Orbital Inflammatory Disease - *Rupa Radhakrishnan, MD*
- 11:35** Inflammatory Spine - *Alok Jaju, MD*
- 11:50** Rapid Fire - *Manohar Shroff, MD, FRCPC*
- 12:05** Session Questions
- 12:15** End of Meeting



**SPECIAL NOTE FOR THE DISABLED:** Northwest Imaging Forums Inc. (NWIF) and the American Society of Pediatric Neuroradiology (ASPNR) wish to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids and services. If you need any auxiliary aids or services identified in the Americans with Disabilities Act, please contact NWIF at (888) 683-4930.

## Invited Faculty and Moderators

**Jessie Aw-Zoretic, MD**

*Lurie Children's Hospital of Chicago  
Chicago, IL*

**Aaron Michael Betts, MD**

*Brooke Army Medical Center  
Fort Sam Houston, TX*

**Aashim Bhatia, MD, MS**

*Children's Hospital of Philadelphia  
Philadelphia, PA*

**Asthik Biswas, MD**

*The Hospital for Sick Children  
Toronto, ON*

**Paul M. Bunch, MD**

*Wake Forest Baptist Health  
Winston-Salem, NC*

**Paul A. Caruso, MD**

*Lenox Hill Radiology/RadNet  
New York, NY*

**Tushar Chandra, MD**

*Nemours Children's Health System  
Orlando, FL*

**Asim F. Choudhri, MD**

*Le Bonheur Children's Hospital  
Memphis, TN*

**Rebekah L. Clarke, MD**

*UT Southwestern Medical Center  
Dallas, TX*

**Patricia Cornejo, MD**

*Phoenix Children's Hospital  
Phoenix, AZ*

**Felice D'Arco, MD**

*Great Ormond Street Hospital for Children  
London, UK*

**Hisham Dahmouh, MD**

*Lucile Packard Children's Hospital  
Stanford, CA*

**Nilesh K. Desai, MD**

*Texas Children's Hospital  
Houston, TX*

**Laurence J. Eckel, MD**

*Mayo Clinic  
Rochester, MN*

**Azam A. Eghbal, MD**

*Children's Hospital of Orange County  
Orange, CA*

**Shehanaz K. Ellika, MD**

*University of Rochester  
Rochester, NY*

**Christopher G. Filippi, MD**

*Tufts Medical Center  
Boston, MA*

**Judith A. Gadde, DO**

*Lurie Children's Hospital of Chicago  
Chicago, IL*

**Orit Glenn, MD**

*University of California, San Francisco  
San Francisco, CA*

**Mark Gorman, MD**

*Boston Children's Hospital  
Boston, MA*

**P. Ellen Grant, MD, MSc.**

*Boston Children's Hospital  
Boston, MA*

**Julie B. Guerin, MD**

*Mayo Clinic  
Rochester, MN*

**Caroline Guimaraes, MD**

*Lucile Packard Children's Hospital  
Stanford, CA*

**Laura Hayes, MD**

*Nemours Children's Health System  
Orlando, FL*

**Hayden Head, MD**

*Children's Mercy Hospital  
Kansas City, MO*

**Chang Y. Ho, MD**

*Riley Hospital for Children  
Indianapolis, IN*

**Thierry Huisman, MD, PD, EDiNR, EDiPNR, FICIS,**

*Texas Children's Hospital  
Houston, TX*

**Michael Iv, MD**

*Lucile Packard Children's Hospital  
Stanford, CA*

**Alok I. Jaju, MD**

*Lurie Children's Hospital of Chicago  
Chicago, IL*

**Jeremy Y. Jones, MD**

*Nationwide Children's Hospital  
Columbus, OH*

**Amy Juliano, MD**

*Mass Eye and Ear  
Boston, MA*

**Nadja Kadom, MD**

*Emory University School of Medicine  
Atlanta, GA*

## Invited Faculty and Moderators

**Beth Kline-Fath, MD, FAIUM**

*Cincinnati Children's Hospital Medical Center  
Cincinnati, OH*

**Korgun Koral, MD**

*UT Southwestern Medical Center  
Dallas, TX*

**Stephen Francis Kralik, MD**

*Texas Children's Hospital  
Houston, TX*

**Anant Krishnan, MD**

*Beaumont Health  
Royal Oak, MI*

**Hollie A. Lai, MD**

*Children's Hospital of Orange County  
Orange, CA*

**Neil U. Lall, MD**

*Children's Healthcare of Atlanta  
Atlanta, GA*

**Kerri LaRovere, MD**

*Boston Children's Hospital  
Boston, MA*

**Luke L. Linscott, MD**

*Primary Children's Hospital  
Salt Lake City, UT*

**Neel Madan, MD**

*Tufts Medical Center  
Boston, MA*

**Alexis B. Rothenberg Maddocks, MD**

*Columbia University Irving Medical Center  
New York, NY*

**Mohit Maheshwari, MBBS, MD**

*Children's Hospital of Wisconsin  
Milwaukee, WI*

**Mark D. Mamlouk, MD**

*Kaiser Permanente  
Santa Clara, CA*

**Kshitij Mankad, MBBS**

*Great Ormond Street Hospital  
London, UK*

**Mesha Martinez, MD**

*Riley Children's Hospital  
Indianapolis, IN*

**Carl Merrow, MD**

*Cincinnati Children's Hospital Medical Center  
Cincinnati, OH*

**Jeffrey H. Miller, MD**

*Phoenix Children's Hospital  
Phoenix, AZ*

**David M. Mirsky, MD**

*Children's Hospital Colorado  
Aurora, CO*

**Swati S. Mody, MD**

*Children's Hospital of Michigan  
Detroit, MI*

**Karen K. Moeller, MD**

*Norton Children's Hospital  
Louisville, KY*

**Gul Moonis, MD**

*Columbia University Irving Medical Center  
New York, NY*

**Sarah Moum, MD**

*Lurie Children's Hospital of Chicago  
Chicago, IL*

**Jonathan G. Murnick, MD, Ph.D.**

*Children's National Health System  
Washington, DC*

**Prakash Muthusami, MD**

*The Hospital for Sick Children  
Toronto, ON*

**Usha D. Nagaraj, MD**

*Cincinnati Children's Hospital Medical Center  
Cincinnati, OH*

**Srikala Narayanan, MD**

*UPMC Children's Hospital of Pittsburgh  
Pittsburgh, PA*

**William T. O'Brien Sr., DO**

*Cincinnati Children's Hospital Medical Center  
Cincinnati, OH*

**Susan Palasis, MD**

*Lurie Children's Hospital of Chicago  
Chicago, IL*

**Hemant A. Parmar, MD**

*University Of Michigan  
Ann Arbor, MI*

**Rajan P. Patel, MD**

*UT Health Science Center at Houston  
Houston, TX*

**Monica Pearl, MD**

*Johns Hopkins Hospital  
Baltimore, MD*

**Sheena Ashwin Pimpalwar, MD**

*UT Southwestern Medical Center  
Dallas, TX*

**Sanjay P. Prabhu, MBBS, FRCR**

*Boston Children's Hospital  
Boston, MA*

**Sumit Pruthi, MBBS**

*Monroe Carell Jr. Children's Hospital  
Nashville, TN*

**Barry M. Rabin, MD**

*Advocate Health Care  
Park Ridge, IL*



## Invited Faculty and Moderators

### **Rupa Radhakrishnan, MD**

*Indiana University School of Medicine  
Indianapolis, IN*

### **Kartik Reddy, MD**

*Emory University School of Medicine  
Atlanta, GA*

### **John H. Rees, MD**

*University of Florida  
Sarasota, FL*

### **Caroline D. Robson, MBChB**

*Boston Children's Hospital  
Boston, MA*

### **Diana P. Rodriguez, MD**

*Nationwide Children's Hospital  
Columbus, OH*

### **Maura E. Ryan, MD**

*Lurie Children's Hospital of Chicago  
Chicago, IL*

### **Asha Sarma, MD**

*Monroe Carell Jr. Children's Hospital at Vanderbilt  
Nashville, TN*

### **Dennis Shaw, MD**

*Seattle Children's Hospital  
Seattle, WA*

### **Karuna V. Shekdar, MD**

*Children's Hospital of Philadelphia  
Philadelphia, PA*

### **Manohar M. Shroff MD, FRCPC**

*The Hospital for Sick Children  
Toronto, ON*

### **V. Michelle Silvera, MD**

*Mayo Clinic  
Rochester, MN*

### **Sumit Singh, MD**

*Children's of Alabama  
Birmingham, AL*

### **Bruno P. Soares, MD**

*University of Vermont Medical Center  
Burlington, VT*

### **Gayathri Sreedher, MD**

*Akron Children's Hospital  
Akron, OH*

### **Nicholas V. Stence, MD**

*Children's Hospital Colorado  
Aurora, CO*

### **Benita Tamrazi, MD**

*Children's Hospital Los Angeles  
Los Angeles, CA*

### **Aylin Tekes-Brady, MD**

*Johns Hopkins Hospital  
Baltimore, MD*

### **Jennifer A. Vaughn, MD**

*Phoenix Children's Hospital  
Phoenix, AZ*

### **Louis-Gilbert Vezina, MD**

*Children's National Hospital  
Washington, D.C.*

### **Lorenna L.M. Vidal, MD, DABR**

*Children's Hospital of Philadelphia  
Philadelphia, PA*

### **Gregory A. Vorona, MD**

*Virginia Commonwealth University  
Richmond, VA*

### **Arastoo Vossough, MD, PhD**

*Children's Hospital of Philadelphia  
Philadelphia, PA*

### **Birgit Ertl Wagner, MD**

*The Hospital for Sick Children  
Toronto, ON*

### **Elizabeth K. Weidman, MD**

*Weill Cornell Medicine - NewYork Presbyterian  
New York, NY*

### **Matthew T. Whitehead, MD**

*Children's National Medical Center  
Washington, DC*

### **Nagwa Wilson, MD, PhD**

*Children's Hospital of Eastern Ontario  
Ottawa, ON*

### **Jason N. Wright, MD**

*Seattle Children's Hospital  
Seattle, WA*

### **Edward Yang, MD, PhD**

*Boston Children's Hospital  
Boston, MA*

### **Kristen W. Yeom, MD**

*Lucille Packard Children's Hospital  
Stanford, CA*

### **Deborah M. Zarnow, MD**

*Children's Hospital of Philadelphia  
Philadelphia, PA*

## CASES OF THE DAY

### **Yi Li, MD**

*University of California, San Francisco  
San Francisco, CA*

### **Sarah J. Moum, MD**

*Lurie Children's Hospital of Chicago  
Chicago, IL*

### **Adam E. Goldman-Yassen, MD**

*Emory University School of Medicine  
Atlanta, GA*

# Registration Information

## 4<sup>th</sup> Annual Scientific Meeting of the American Society of Pediatric Neuroradiology

<b>Non-ASPNR Member</b> .....	<b>\$800.00</b>
<b>ASPNR Member</b> .....	<b>\$575.00</b>
<b>Members In Training   Resident   Fellow   Medical Student</b> .....	<b>\$350.00</b>
<small>(Letter from your Chairman or Fellowship Director is required).</small>	
<b>Saturday 1/8/2022 - Gala Dinner and Dancing - Registrant</b> .....	<b>\$75.00</b>
<b>Guest</b> .....	<b>\$100.00/ea</b>
<b># Attending</b>	

**Will you be attending the Friday night cocktail reception?    Yes    No**

2 Easy Ways to Register

<p style="font-size: 1.2em;">Online at</p> <p style="font-size: 1.2em; text-decoration: underline;"><a href="http://aspnr.nwforums.com">aspnr.nwforums.com</a></p>	<p style="font-weight: bold; font-size: 1.1em;">Fax/Phone</p> <p>Phone: (541) 683-4930          Fax: (541) 683-8499          E-mail: <a href="mailto:members@aspnr.org">members@aspnr.org</a></p>
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Total Enclosed: \$

Payment Options

Checks are not accepted

Name Degree    M.D.    D.O.    DDS    DMD    Ph.D    Other

Company / Institution

Address City / State / Zip Code / Country

Phone Email (Required for Electronic Syllabus)

Card Number / Card Type:    Master Card    Visa    American Express    Discover    Expiration Date    Security Code

Billing Address City / State / Zip Code / Country

Card Holder Signature

Cancellation: Requests for a refund of registration fees, less a \$50 administrative fee, will be made to those providing notification of cancellation prior to December 1, 2021