



American Society
of Pediatric
Neuroradiology

1st Annual Meeting of the

AMERICAN SOCIETY OF

Pediatric Neuroradiology

All Jazzed Up About Pediatric Neuroimaging

January 18 - 20, 2019 • Royal Sonesta New Orleans • New Orleans, Louisiana

SAM Credit Available

18.0 AMA PRA Category 1 Credit(s)[™]

For more information, visit ASPNR.edusymp.com
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Call For Abstracts at
www.aspnr.org

Deadline: November 2, 2018



From The Program Chair

The American Society of Pediatric Neuroradiology (ASPNR) is excited to announce its 1st Annual Meeting! We have prepared a fun and educationally stimulating program for our rapidly growing membership and for all interested in learning more about pediatric neuroradiology. Our Society's inaugural meeting will take place in one of the most culturally vibrant cities in the world, New Orleans.

Why should you be "all jazzed up" about attending?

- Robust educational program featuring keynote lectures by founders in our field, panel discussion, national and international expert participation, interesting cases, and scientific abstracts
- 2.5 glorious days of solid pediatric neuroradiology
- Opportunity to share your research with the pediatric neuroradiology community
- No sunrise sessions!
- Time to meet old friends and make new ones in the heart of the French Quarter
- Friday cocktail reception for all attendees and guests
- Saturday night gala dinner jazz cruise on the Mississippi
- Music, culture, and foodie heaven

The meeting will span Martin Luther King weekend so come learn and celebrate this special holiday with us in the Big Easy!

Susan Palasis, MD

Program Chair
1st Annual American Society of
Pediatric Neuroradiology Meeting

Target Audience

- General radiologists seeking to improve their understanding and skills in pediatric neuroimaging
- Pediatric radiologists and general neuroradiologists who want to expand their fund of knowledge in pediatric neuroimaging
- Pediatric neuroradiologists who want to learn about current issues and advances in our field
- Non-radiologists who are interested in understanding the neuroimaging perspectives of pediatric neurologic and head/neck/spine disease
- Allied health professionals interested in learning more about the practical aspects of pediatric neuroimaging and emerging research
- Physicians in training, residents, and fellows interested in pediatric neuroradiology

Educational Objectives

At the completion of the meeting, attendees should:

- Understand normal maturational changes of the nervous system from the fetus through childhood
- Understand the diagnostic nuances of neonatal brain injury
- Know the current recommendations for management of emergent pediatric cerebrovascular disorders
- Be aware of emerging considerations to practice changes in pediatric neuroradiology regarding sedation, contrast administration, protocoling, and performing CT/MR
- Know what new and advanced neuroimaging techniques are available in the clinical and research setting
- Be aware of how artificial intelligence and machine learning are being incorporated into diagnostic neuroimaging as part of precision medicine in the pediatric setting
- Be able to identify neuroimaging signs concerning for abusive head trauma and communicate findings effectively to clinicians and in the courtroom
- Understand the changes to the diagnosis and nomenclature of pediatric neurologic disease processes as a result of advances in molecular genetics
- Understand CSF production and reabsorption in children and what pathologic conditions contribute to increased intracranial pressure
- Review the imaging evaluation of commonly encountered head, neck, and spine disorders



SPECIAL NOTE FOR THE DISABLED: Educational Symposia (ESI) 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 ESI at (813) 806-1000.



Program Committee

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 Laurence J. Eckel, MD
 Arastoo Vossough, MD, PhD
 Ashok Panigrahy, MD, PhD
 V. Michelle Silvera, MD
 Aylin Tekes, MD
 Laura L. Hayes, MD
 Timothy N. Booth, MD

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Accreditation

Physicians: This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint providership of Educational Symposia and the American Society of Pediatric Neuroradiology. Educational Symposia is accredited by the ACCME to provide continuing medical education for physicians.

Educational Symposia designates this live activity for a maximum of 18.0 *AMA PRA Category 1 Credit(s)*TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Self-Assessment Modules (SAMs): Educational Symposia has been granted Deemed Status by the American Board of Radiology (ABR). This allows Educational Symposia to develop and implement SAMs that satisfy ABR Part II MOC requirements.

DISCLAIMER: Educational Symposia (ESI) and the American Society of Pediatric Neuroradiology (ASPNR) as planners and presenters of this meeting, and Professional Travel as the official travel agency for this meeting, claim no liability for the acts of any suppliers or the safety of any attendees while in transit to, from, or during, this event or any optional activities. The total amount of liability, if any, for the meeting organizers is limited to a refund of the registration fee, and Professional Travel's responsibility is limited to that of an agent.

Program Schedule

FRIDAY, JANUARY 18, 2019

7:00 – 7:45 AM Registration, Continental Breakfast for Registrants, Visit Exhibits and Scientific Posters

7:45 – 7:50 Welcome
Susan Palasis, M.D., ASPNR 1st Annual Meeting Program Chair

SESSION 1:

Early Brain Development: Knowing Normal, Understanding Disease

Moderators: Beth Kline-Fath, M.D., FAJUM, Esperanza Pacheco, M.D., MBA, Sarah Sarvis Milla, M.D., FAAP

7:50 – 8:10 Keynote Lecture: Brain Maturation from Fetus to Childhood
Thomas P. Naidich, M.D., FACR

8:10 – 8:25 Robert Zimmerman Honorary Lecture: Angiogenesis of the Cerebral Vasculature
Marvin D. Nelson Jr, M.D., FACR

8:25 – 8:40 The Fetal Posterior Fossa
Matthew T. Whitehead, M.D., Ph.D.

8:40 – 8:55 The Challenges and Pitfalls of Neonatal HIE
Jonathan G. Murnick, M.D.

8:55 – 9:10 Advanced Neonatal Imaging
P. Ellen Grant, M.D.

9:10 – 9:30 Rapid-Fire Cases
Nilesh K. Desai, M.D.

9:30 – 9:50 Scientific Paper Session I ♦

9:50 – 10:00 Refreshment Break for Registrants and Visit Exhibits and Scientific Posters

SESSION 2:

Emergent Cerebrovascular Disorders In Children

Moderators: Jill V. Hunter, M.D., Nolan R. Altman, M.D., Michele H. Johnson, M.D., FACR, FASER

SAM SESSION

10:00 – 10:20 Ischemic Stroke in Children
Richard L. Robertson, M.D.

10:20 – 10:35 Neurointerventional Stroke Treatment
Todd A. Abruzzo, M.D.

10:35 – 10:50 Setting Up an Acute Stroke Program
Bryan L. Philbrook, M.D.

10:50 – 11:05 Intracranial Arteriopathies in Childhood
Nicholas V. Stence, M.D.

11:05 – 11:20 Sino-venous Thrombosis and Stroke
Blaise V. Jones, M.D.

11:20 – 11:40 Rapid-Fire Cases
Dennis W. Shaw, M.D.

11:40 – 12:00 PM Scientific Paper Session II ♦

12:00 – 12:45 Lunch on Your Own

SESSION 3:

Current Pediatric Neuroimaging Practice Considerations

Moderators: Jeremy Y. Jones, M.D., L. Santiago Medina, M.D., MPH

12:45 – 1:05 Safe and Efficient Pediatric Sedation
David Banks, M.D., FAAP

1:05 – 1:25 Gadolinium Deposition: What is the Evidence?
Sumit Pruthi, MBBS

1:25 – 1:45 Fast and Motion-Free Neuroimaging Techniques
Arastoo Vossough, M.D., Ph.D.

1:45 – 2:05 Targeted Protocoling
Susan Palasis, M.D.

2:05 – 2:25 Neuro CT: Indications, Dose, and Contrast
Robert C. McKinstry, III, M.D., Ph.D.

2:25 – 2:45 Panel Discussion
Faculty

2:45 – 3:00 Refreshment Break for Registrants and Visit Exhibits and Scientific Posters

FRIDAY, JANUARY 18, 2019 (CONTINUED)

SESSION 4: International Session

Moderators: Jorge Davila, M.D., Eftychia Kapsalaki, M.D., Mairoula Arvaniti, M.D.

3:00 – 3:20 CNS Tuberculosis
Amal Saleh, M.D.

3:20 – 3:40 Fetal and Neonatal Infections
Fabricio Guimaraes Goncalves, M.D., EDiNR, EDiPNR

3:40 – 4:00 Update on Imaging of Moyamoya Disease in Children
Jung-Eun Cheon, M.D.

4:00 – 4:20 Rare Phakomatoses: The mTOR and RAS Pathways Disorders
Mariasavina Severino, M.D.

4:20 – 4:40 Pediatric CNS HIV Manifestations
Tracy Kilborn, M.D.

4:40 – 5:00 Imaging Manifestations of Pediatric Neuro-Behcet's Disease
Kader Karli Oguz, M.D.

5:00 End of Session

5:00 – 6:00 Welcome Reception

SATURDAY, JANUARY 19, 2019

7:00 – 7:45 AM Registration and Continental Breakfast for Registrants and Visit Exhibits and Scientific Posters

7:45 – 7:50 ASPNR 2nd Annual Meeting Announcement
V. Michelle Silvera, M.D., ASPNR 2nd Annual Meeting Program Chair

SESSION 5: Advanced Pediatric Neuroimaging

Moderators: Asim F. Choudhri, M.D., Izlem Izbudak, M.D. Gaurav Saigal, M.D.

SAM SESSION

7:50 – 8:10 Brain Connectivity in Children with Congenital Heart Disease
Ashok Panigrahy, M.D., PhD

8:10 – 8:25 Neural Networks in Children with Epilepsy
Michael J. Paldino, M.D.

8:25 – 8:40 Current and Future Machine Learning Applications in Pediatric Neuroimaging
Sanjay P. Prabhu, MBBS

8:40 – 8:55 Quantification and Clinical Application of Diffusion Tensor Indices in the Pediatric Spinal Cord
Aashim Bhatia, M.D.

8:55 – 9:10 7T Imaging of the Pediatric Brain
Mai-Lan Ho, M.D.

9:10 – 9:30 Rapid-Fire Cases
James L. Leach, MD

9:30 – 9:50 Scientific Paper Session III ♦

9:50 – 10:00 Refreshment Break for Registrants and Visit Exhibits and Scientific Posters

SATURDAY, JANUARY 19, 2019 (CONTINUED)

SESSION 6: Head, Neck And Spine

Moderators: Maura E. Ryan, Ph.D., Mark D. Mamlouk, M.D., Larissa T. Bilaniuk, M.D., FACR

- 10:00 – 10:20 Why Is My Child's Neck Crooked?
Bernadette L. Koch, M.D.
- 10:20 – 10:35 "Eye" Have a Clue
Timothy N. Booth, M.D.
- 10:35 – 10:50 Pediatric Sinus Disease: What, When, How
Aylin Tekes, M.D.
- 10:50 – 11:05 The Elusive Drop Metastasis
Laura L. Hayes, M.D.
- 11:05 – 11:20 Inborn Errors of Metabolism, Myelin Disorders, and Childhood Ataxia - Diagnostic Clues from Down Under
Paul A. Caruso, M.D.
- 11:20 – 11:40 Rapid-Fire Cases
Rupa Radhakrishnan, M.D., MBBS, MS
- 11:40 – 12:00 PM Scientific Paper Session IV ♦

12:00 – 12:45 Lunch n' Learn Sponsored by Guerbet, LLC

SESSION 7: Genetics And Pediatric Neuroradiology

Moderators: Mariam Aboain, M.D., Ph.D., Tushar Chandra, M.D., Ramesh Iyer, M.D.

- 12:45 – 1:05 Keynote Lecture: The Changing Landscape of Pediatric Neuroradiology: Gene Regulation, Molecular Pathways, and CNS Disease
A. James Barkovich, M.D.
- 1:05 – 1:20 Radiomics and Artificial Intelligence for Pediatric Brain Tumors
Kristen W. Yeom, M.D.
- 1:20 – 1:35 Cancer Predisposition Syndromes and CNS Tumors
Zoltan Patay, M.D., Ph.D.
- 1:35 – 1:50 Genetic Insights Into Craniofacial Malformations
Caroline D. Robson, MBChB
- 1:50 – 2:05 The Hypomyelinating Leukodystrophies
Thierry A.G.M. Huisman, M.D.
- 2:05 – 2:25 Rapid-Fire Cases
Hisham M. Dahmouh, MBChB
- 2:25 – 2:45 Scientific Paper Session V ♦

2:45 – 3:00 Refreshment Break for Registrants and Visit Exhibits and Scientific Posters

SESSION 8: Current Concepts In Pediatric Brain Tumor Evaluation

Moderators: Hemant Parmar, M.D., Unni Udayasankar, M.D., Deborah Zarnow, M.D.

- 3:00 – 3:20 Advanced Imaging Metrics Correlation with Outcome in Pediatric Brain Tumors
Tina Young Pousaint, M.D., FACR
- 3:20 – 3:35 PET/MRI Evaluation of Pediatric Brain Tumors
Laurence J. Eckel, M.D.
- 3:35 – 3:50 Skinning the Cat: An Overview on Multiple MRI Perfusion Techniques in Pediatric Brain Tumors.
Chang Y. Ho, M.D.
- 3:50 – 4:05 MRS Evaluation of Brain Tumors
Stefan Bluml, Ph.D.
- 4:05 – 4:20 Amide Protein Transfer Imaging
John G. Curran, M.D.
- 4:20 – 4:40 Rapid-Fire Cases
Kshitiij Mankad, MBBS
- 4:40 – 5:00 Scientific Paper Session VI ♦

5:00 End of Session

7:00 Gala Dinner Jazz Cruise Boarding Begins at 6:00

SUNDAY, JANUARY 20, 2019

7:00 – 7:45 AM Continental Breakfast for Registrants, Visit Exhibits and Scientific Posters

- 7:45 – 7:50 ASPNR 2018 Research Award
Arastoo Vossough, M.D., Ph.D., ASPNR President

SESSION 9: Intracranial Fluid Dynamics

Moderators: Avrum Pollock, M.D., Neil U. Lall, M.D., Karuna V. Shekdar, M.D.

- 7:50 – 8:10 Keynote Lecture: Intracranial Fluid Dynamics
Charles A. Raybaud, M.D.
- 8:10 – 8:25 Shunt Malfunction: The Nuts and Bolts
V. Michelle Silvera, M.D.
- 8:25 – 8:40 Venous Pathology and Intracranial Hypertension in Children
Nancy K. Rollins, M.D.
- 8:40 – 8:55 Quantitative MR Imaging of Glymphatic Flow: Current Approaches
Christopher G. Filippi, M.D.
- 8:55 – 9:10 Pathophysiology and Neuroimaging Signs of Cerebral Edema in Children
Manohar M. Shroff, M.D., FRCP
- 9:10 – 9:30 Rapid-Fire Cases
Erin Simon Schwartz, M.D., FACR
- 9:30 – 9:50 Scientific Paper Session VII ♦

9:50 – 10:00 Refreshment Break for Registrants and Visit Exhibits and Scientific Posters

SESSION 10: Pediatric Head Trauma

Moderators: Giulio Zuccoli, M.D., Christopher M. Arcement, M.D., Judith A. Gadge, D.O., MBA

SAM SESSION

- 10:00 – 10:20 Navigating Current and Future Legal Challenges to Child Abuse Evidence at Home and Abroad
Joëlle Anne Moreno, J.D.
- 10:20 – 10:35 Neuroimaging Signs of Abusive head Trauma
Gary L. Hedlund, D.O.
- 10:35 – 10:50 The SBU Report
David M. Mirsky, M.D.
- 10:50 – 11:05 Accidental Head Injury Findings
Nadja Kadom, M.D.
- 11:05 – 11:20 Abuse Mimickers
Susan I. Blaser, M.D., FRCP(C)
- 11:20 – 11:40 Rapid-Fire Cases
Arabinda K. Choudhary, M.D.
- 11:40 – 12:00 PM Scientific Paper Session VIII ♦
- 12:00 – 12:05 Closing Remarks
Susan Palasis, M.D.

12:05 End of Program

Speakers and Moderators

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Giulio Zuccoli, M.D.
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Cases of the Day

Chris Arcement, M.D.
*Children's Hospital of New Orleans
Tulane University School of Medicine*

David Manning, MD
*Children's Hospital of New Orleans
Tulane University School of Medicine*

Kenneth Ward, MD
*Children's Hospital of New Orleans
Tulane University School of Medicine*

Registration Information

1st Annual Meeting of the American Society of

Pediatric Neuroradiology

All Jazzed Up About Pediatric Neuroimaging

ASPNR19

A late fee of \$75 will be added to any registration postmarked after **January 4, 2019**.

- ASPNR Member..... \$525⁰⁰
- Non-Member \$725⁰⁰
- Members-in-Training \$350⁰⁰

Gala Dinner Jazz Cruise

The ASPNR has planned a fun-filled gala evening of live jazz and local cuisine while cruising the Mississippi River aboard a paddleboat.

- Member \$25
- Non-Member / Guest \$35

TOTAL ENCLOSED: \$ _____

4 Easy Ways To Register

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Cancellations: Requests for refund of registration fees, less a \$75.00 administrative fee, will be made to those providing written notification of cancellation by January 4, 2019. After that date, there will be no refunds given for cancellations. Please email notice of cancellation to: registration@edusymp.com or fax to 813-806-1001.



Royal Sonesta New Orleans

About The Hotel

The AAA Four Diamond-rated Royal Sonesta New Orleans effortlessly combines timeless elegance and southern refinement, setting itself apart from other French Quarter hotels. Traditional gabled windows, rich colors and linens accented with fresh flowers, wrought-iron balconies, and a lush courtyard create an experience unlike any other. With 483 newly renovated guest rooms and ballroom, authentic hospitality, and its Food is Art philosophy, no one offers more ways to inspire its valued guests than the all-new Royal Sonesta New Orleans.

How To Get There

Fly directly to Louis Armstrong New Orleans International Airport, located just 35 minutes west of Royal Sonesta New Orleans. Daily non-stop flights are available to New Orleans for major national and international carriers.

Visit www.sonesta.com for more information.

SPACE IS LIMITED - RESERVE TODAY:

Visit www.aspnr.org for meeting and accommodations information.

Call for Reservations: (855) 463-3092 and use **Group Code: 0116ASPNRM** or identify yourself as a registrant of American Society of Pediatric Neuroradiology (ASPNR).

Hotel Cut-off Date: December 26, 2018

Group Room Rates Start At.....\$249.00 nt.

Hotel Tax:

Room Tax is 14%, Occupancy tax is \$2.00 per night and Statutory Tourism Support Assessment is 1.75%.

Parking: Overnight - \$36.00

Deposit Policy:

A credit card is required to hold each guest's reservation.

Cancellation Policy:

No cancellation penalty if cancellation is received by Hotel at least 72 hours prior to arrival.

Hotel: 300 Bourbon Street
New Orleans, LA 70130

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