

^{2nd} Annual Meeting of the AMERICAN SOCIETY OF **PEDIATRIC NEURORADIOLOGY**

January 10 – 12, 2020 • Eden Roc Miami Beach • Miami Beach, FL

UP TO 8 SAM CREDITS AVAILABLE

19.5 AMA PRA Category 1 Credit(s)TM

For more information, visit ASPNR.edusymp.com or ASPNR.org

Call For Abstracts at www.aspnr.org Deadline: September 23, 2019

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FROM THE PROGRAM CHAIR

It is my great pleasure to invite you to the American Society of Pediatric Neuroradiology's (ASPNR) 2nd Annual Meeting, which will be held at the Eden Roc Miami Beach in Miami Beach, FL. from Friday, January 10 to Sunday, January 12, 2020. This educationally stimulating, energized, jampacked program is designed to keep you on your toes and up to date with all things pediatric neuroradiology. And no place better to do it in the depth of winter than oceanfront in lively Miami Beach, the warmest place in the continental USA in the month of January. Expect to hear a broad range of basic core lectures and specialized talks from expert speakers on pediatric advanced neuroimaging, technological imaging and treatment advances, metabolic, fetal, perinatal, developmental, epilepsy, tumor, demyelinating, and spine disorders while being updated on recent scientific advances through oral and poster presentations. This course offers a total of up to 19.5 *AMA PRA Category 1 Credits (s)*TM and up to 8 SAM Credits Available in 2.5 Days.

This year's program includes:

- 2.5 days of dedicated pediatric neuroradiology instruction
- Expert lectures by leaders in the field supplemented by case presentations
- Scientific sessions as well as scientific and educational exhibits
- A full slate of social events including:
 - o Friday night cocktail reception
 - o Saturday night Gala dinner on a beautiful yacht cruise on Biscayne Bay
 - o Pre-meeting Art tour of Miami
- Opportunities to connect with industry collaborators regarding the latest and best in technology in pediatric neuroimaging and pediatric CNS treatment advancements
- Significantly discounted hotel rates at the iconic beachfront Eden Roc Miami Beach with resort fees waived, hotel rates honored 3 days before and 3 days after meeting dates, based on availability on a first-come, first-served basis

Please join us at the ASPNR's 2nd Annual Meeting in Miami, January 10-12, 2020 for an excellent educational experience where you will learn about pediatric neuroradiology, exchange ideas, catch up with friends, start projects, collaborate and engage. This meeting will thaw you out of deep winter. Come early and stay a little longer and enjoy the rhythms of Miami!

V. Michelle Silvera, M.D. Mayo Clinic, Rochester

PROGRAM COMMITTEE

V. Michelle Silvera, M.D. *Program Chair* Aashim Bhatia, M.D., M.S. Timothy N. Booth, M.D. Paul A. Caruso, M.D. Laurence J. Eckel, M.D. Julie Guerin, M.D. Laura L. Hayes, M.D. Mark D. Mamlouk, M.D. Susan Palasis, M.D. Aylin Tekes, M.D. Arastoo Vossough, M.D., Ph.D.

EXECUTIVE COMMITTEE 2019 - 2020

Arastoo Vossough, M.D., Ph.D. President

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Erin Simon Schwartz, M.D., FACR 3rd Past-President

Dennis W. Shaw, M.D. SPR Liaison



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.



TARGET AUDIENCE

- General neuroradiologists and pediatric radiologists who want to expand their fund of knowledge in pediatric neuroimaging and stay abreast of new developments.
- Pediatric neuroradiologists who want 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 understanding neuroimaging perspectives of pediatric neurologic disease in the head, neck, and spine.
- Allied health professionals, medical physicists, and medical researchers 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:

- Identify commonly encountered brain, neck, and spine disorders in children.
- Explain the normal maturational changes of the developing central nervous system from the fetus through childhood.
- Describe the diagnostic nuances of pediatric demyelinating conditions and its manifestations within the brain and spinal cord.
- Know the current imaging approach to children with epilepsy and the prognostic significance of imaging abnormalities of the brain.
- Describe emerging considerations to diagnosis, assessment and treatment of metabolic disease in children.
- Know what new and advanced neuroimaging techniques are available in the clinical and research setting.
- Discuss how artificial intelligence and machine learning are being incorporated into diagnostic neuroimaging as part of precision medicine in the pediatric setting.
- Recognize neuroimaging abnormalities related to neonatal encephalopathy.
- Identify the changes to the diagnosis and nomenclature of pediatric neurological disease processes as a result in advances in molecular genetics.

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 19.5 *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 10, 2020

| FRIDAY, JANUA | RY 10, 2020 |
|------------------|---|
| 7:00 – 7:45 AM | Registration, Continental Breakfast for Registrants, Visit Exhibits and Scientific Posters |
| 7:45 – 7:50 | Welcome Remarks V. Michelle Silvera, M.D. |
| | SESSION 1: Developmental CNS Disorders A. Gadde, D.O., MBA; Gaurav Saigal, M.D.; Jason N. Wright, M.D. |
| SAM SESSION | <u>.</u> |
| 7:50 - 8:15 | Pre- and Postnatal Diagnosis of Holoprosencephaly Louis-Gilbert Vezina, M.D. |
| 8:15 - 8:30 | Phakomatoses Julie Guerin, M.D. |
| 8:30 - 8:45 | The Wide Spectrum of Tubulinopathies Chang Y. Ho, M.D. |
| 8:45 - 9:00 | Genetic Syndromes Associated with Childhood Overgrowth <i>Mark D. Mamlouk, M.D.</i> |
| 9:00 - 9:15 | Diagnosing the Cleft Lip and Palate Judy A. Estroff, M.D. |
| 9:15 - 9:35 | Rapid Fire - Developmental CNS Disorders Susan Palasis, M.D. |
| 9:35 - 9:55 | Scientific Oral Presentations I |
| 9:55 – 10:05 | Refreshment Break for Registrants Visit Exhibits and Scientific Posters |
| | SESSION 2: Early Acquired Brain Disorders n K. Moeller, M.D.; Maura E. Ryan, M.D.; Unni Udayasankar, M.D. |
| 10:05 – 10:25 | Patterns of Hypoxic-Ischemic Brain Injury in the Term Neonate <i>Bruno P. Soares, M.D.</i> |
| 10:25 - 10:40 | Translating Neonatal Head Ultrasound Findings to MRI in Neonatal Injury <i>Aylin Tekes, M.D.</i> |
| 10:40 - 10:55 | Congenital Infections Dorothy Bulas, M.D. |
| 10:55 - 11:10 | Perinatal Ischemic Stroke - Cause and Outcome Nicholas V. Stence, M.D. |
| 11:10 - 11:25 | Perinatal Metabolic Disease Matthew T. Whitehead, M.D. |
| 11:25 - 11:45 | Rapid Fire Carousel - Early Acquired Brain Disorders Karen Buch, M.D.; Chiara Carducci, M.D.; Felice D'Arco, M.D.; Neil Lall, M.D.; Yi Li, M.D. |
| 11:45 - 12:00 PM | Scientific Oral Presentations II |
| 12:15 - 1:00 | Lunch and Learn (TBD) ♦ |
| 1:00 - 1:20 | Gold Medal Award, Presentation and Lecture ♦ |
| | SSION 3: Advanced Pediatric Neuroimaging n R. Altman, M.D.; Birgit Ertl-Wagner, M.D.; Jeffrey H. Miller, M.D. |
| 1:20 - 1:40 | Clinical Applications of 3D Printing in Children Jonathan M. Morris, M.D. |
| 1:40 - 1:55 | Arterial Spin Labelling in Clinical Practice Arastoo Vossough, M.D., Ph.D. |
| 1:55 – 2:10 | fMRI in Children <i>Mohit Maheshwari, MBBS, M.D.</i> |
| 2:10 - 2:25 | White Matter Microstructure Pratik Mukherjee, M.D., Ph.D. |
| 2:25 - 2:40 | DTI in Congenital Malformations Nancy K. Rollins, M.D. |
| 2:40 - 3:00 | Rapid Fire - Advanced Imaging Aashim Bhatia, M.D., M.S. |

FRIDAY, JANUARY 10, 2020 (CONTINUED)

| | N 3: Advanced Pediatric Neuroimaging (Continued) |
|----------------|---|
| 3:00 - 3:20 | ASPNR Research Award Recipients - A Look Back |
| | Moderator: Orit A. Glenn, M.D. 2016: Avner Meoded, M.D. on behalf of Andrea Poretti, M.D.: The Structural Connectome of the Human Brain in Children with Tuberous Sclerosis Complex |
| | 2017: Kristen W. Yeom, M.D.: Radiogenomic Approaches to Non-Invasive Molecular Subtyping of Pediatric Posterior Fossa Ependymomas |
| | 2018: Benita Tamrazi, M.D.: Imaging Genomics of Pediatric Rhabdoid Tumors of the Brain: Identification of Prognostically Significant Metabolic Subgroups Using InVivo 1H-MR Spectroscopy |
| 3:20 - 3:35 | Refreshment Break for Registrants Visit Exhibits and Scientific Posters |
| Moderators: L. | SESSION 4: Childhood Epilepsy Santiago Medina, M.D.; Rupa Radhakrishnan, M.D., MBBS, M.S.; Karuna V. Shekdar, M.D. |
| 3:35 - 3:55 | Pediatric Epilepsy: What to Look for <i>Erin Simon Schwartz, M.D., FACR</i> |
| 3:55 - 4:10 | Preoperative Advanced Imaging in Childhood Epilepsy <i>James L. Leach, M.D.</i> |
| 4:10 - 4:25 | Outcomes of Pediatric Epilepsy Surgery Michael J. Paldino, M.D. |
| 4:25 - 4:45 | Rapid Fire - Childhood Epilepsy <i>Nilesh K. Desai, M.D.</i> |
| 4:45 - 5:15 | Creativity and the Brain Phillip L. Pearl, M.D. |
| 5:15 | End of Session |
| 5:30 - 6:30 | Welcome Reception |
| SATURDAY, JA | NUARY 11, 2020 |
| 7:00 – 7:45 AM | Registration, Continental Breakfast for Registrants, Visit Exhibits and Scientific Posters |
| 7:45 – 7:50 | ASPNR 3rd Annual Meeting Announcement <i>Timothy N. Booth, M.D., 2021 ASPNR Program Chair</i> |
| Moderators: | SESSION 5: Pediatric Spine Michele H. Johnson, M.D., FACR, FASER; Jeremy Y. Jones, M.D.; |
| SAM SESSION | John A. Maloney, M.D. |
| 7:50 - 8:15 | Keynote Speaker: Spinal Dysraphisms Thomas P. Naidich, M.D., FACR |
| 8:15 - 8:30 | Pediatric Applications of DWI in Spine Imaging Laura L. Hayes, M.D. |
| 8:30 - 8:45 | Manifestations and Treatment of Hereditary Hemorrhagic Telangiectasia in the Pediatric Spine <i>Waleed Brinjikji, M.D.</i> |
| 8:45 - 9:00 | Acquired Craniocervical Anomalies (Non-tumoral) Luke Linscott, M.D. |
| 9:00 - 9:15 | Update on Acute Flaccid Myelitis David M. Mirsky, M.D. |
| 9:15 - 9:35 | Rapid Fire Carousel - Pediatric Spine Tushar Chandra, M.D.; Ilana Neuberger, M.D.; William T. O'Brien, Sr., D.O., FAOCR; Anvita Pauranik, M.D.; Asha Sarma, M.D. |
| 9:35 - 9:55 | Scientific Oral Presentations III |
| 9:55 - 10:05 | Refreshment Break for Registrants Visit Exhibits and Scientific Posters |

SATURDAY, JANUARY 11, 2020 (CONTINUED)

| SATURDAY, JAN | IUARY IT, 2020 (CONTINUED) |
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| Moderators: Christo | SESSION 6: Placenta and the Fetus pher Ian Cassady, M.D., FRANZCR; Sarah Sarvis Milla, M.D., FAAP; |
| | Deborah M. Zarnow, M.D. |
| 10:05 - 10:25 | Placental Imaging and the Placenta-Brain Connection <i>P. Ellen Grant, M.D., MSc.</i> |
| 10:25 - 10:40 | MRI of Acquired Fetal Brain Pathology P.D. Griffiths, Ph.D., FRCR |
| 10:40 - 10:55 | Twin - Twin Transfusion, Imaging and Treatment Beth Kline-Fath, M.D., FAIUM |
| 10:55 - 11:10 | Fetal Neck Anomalies Jennifer A. Vaughn, M.D. |
| 11:10 - 11:25 | Fetal MRI: Lessons Learned from the Neonate Orit A. Glenn, M.D. |
| 11:25 - 11:45 | Rapid Fire - Fetal Imaging <i>Edward Yang, M.D.</i> |
| 11:45 - 12:00 PM | Scientific Oral Presentations IV |
| 12:15 - 1:00 | Lunch and Learn (TBD) ♦ |
| 1:00 – 1:30 | ASPNR Business Meeting ◆ |
| | Demyelinating and Autoimmune Processes in Children |
| SAM SESSION | Danehy, M.D.; Korgun Koral, M.D.; Leah Platenik Palifka, M.D., M.S. |
| 1:30 - 1:35 | Charles Raymond Fitz, M.D. Honorary Lecture Introduction Ashok Panigrahy, M.D. |
| 1:35 - 1:55 | Charles Raymond Fitz, M.D. Honorary Lecture: Multiple Sclerosis in Children <i>Brenda Banwell, M.D., FRCPC, FAAN</i> |
| 1:55 - 2:10 | ADEM and Lookalikes: Differentiating Features <i>Izlem Izbudak, M.D.</i> |
| 2:10 - 2:25 | Pediatric Myelopathies Jessie Aw-Zoretic, M.D. |
| 2:25 - 2:40 | Pediatric Inflammatory Disease of the Orbit <i>Timothy N. Booth, M.D.</i> |
| 2:40 - 2:55 | Update on Pediatric Autoimmune Encephalitis Manohar M. Shroff, M.D., FRCPC |
| 2:55 - 3:15 | Rapid Fire - Demyelinating and Autoimmune Processes <i>Sumit Pruthi, MBBS</i> |
| 3:15 - 3:35 | Scientific Oral Presentations V |
| 3:35 - 3:50 | Refreshment Break for Registrants Visit Exhibits and Scientific Posters |
| | SESSION 8: International Session |
| | Moderators: Pablo Picasso de Araujo Coimbra, M.D.; Gonçalves, M.D., EDiNR, EDiPNR; Nucharin (Tanya) Supakul, M.D. |
| 3:50 - 4:10 | Europe: Uncommon Brain Infections <i>Eftychia Z. Kapsalaki, M.D.</i> |
| 4:10 - 4:30 | South America: Epileptogenic Brain Tumors Ximena Stecher, M.D. |
| 4:30 - 4:50 | Far East: Pediatric Head Injuries in Muay Thai Kick Boxing <i>Jiraporn Laothamatas, M.D.</i> |
| 4:50 - 5:10 | Middle East: Posterior Fossa Anomalies in the Fetus Ashley J. Robinson, M.D. |
| 5:10 - 5:30 | India: Non-tuberculous Infections in India - Current and Past Trends <i>Shrinivas Desai, M.D.</i> |
| 5:30 | End of Session |
| 7.00 | Cala Dinnor on Biscowno Bay Cruiso |

| 7:00 Gala Dinner on Biscayne Bay C | ruise |
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| SUNDAY, JANU | ARY 12, 2020 | | | |
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| 7:00 – 7:45 AM | Registration, Continental Breakfast for Registrants, Visit Exhibits and Scientific Posters | | | |
| 7:45 – 7:50 | ASPNR 2019 Research Award, ASPNR 2019 Derek Harwood Nash Award, ASNR 2019 MIT-E Scholarship Pediatric Neuroradiology Award, 2020 ASPNR Meeting Case of the Day Winners Laurence J. Eckel, M.D., ASPNR President | | | |
| Moderat | SESSION 9: Metabolic Disease ors: Arabinda K. Choudhary, M.D.; Gary L. Hedlund, D.O.; Jonathan G. Murnick, M.D., Ph.D. | | | |
| SAM SESSION | | | | |
| 7:50 - 8:15 | Leukodystrophies and the Pathological Evidence <i>Mariana Bugiani, M.D., Ph.D.</i> | | | |
| 8:15 - 8:30 | Approach to Metabolic Disease in Children Susan I. Blaser, M.D., FRCP(C) | | | |
| 8:30 - 8:45 | Mitochondrial Disorders Thierry A.G.M. Huisman, M.D., P.D., EDiNR, EDiPNR, FICIS | | | |
| 8:45 - 9:00 | Modern Neurogenomics: Advances in Diagnosis and Therapy <i>Mai-Lan Ho, M.D.</i> | | | |
| 9:00 - 9:15 | Pearls and Pitfalls in the Imaging of Adrenoleukodystrophy <i>Paul A. Caruso, M.D.</i> | | | |
| 9:15 - 9:35 | Rapid Fire - Metabolic Disease <i>Sanjay P. Prabhu, MBBS, FRCR</i> | | | |
| 9:35 - 9:55 | Scientific Oral Presentations VI | | | |
| 2:55 – 10:05 | Refreshment Break for Registrants Visit Exhibits and Scientific Posters | | | |
| Moderators | SESSION 10: Pediatric Brain Tumors : Gordon D. Heller M.D.; Marvin D. Nelson, Jr., M.D., FACR; Dennis W. Shaw, M.D. | | | |
| SAM SESSION | | | | |
| 10:05 - 10:25 | Update on Pediatric Embryonal Tumors <i>Tina Young Poussaint, M.D., FACR</i> | | | |
| 10:25 - 10:40 | Pediatric Brain Tumor Genomics Update: What You Should Know <i>Kshitij Mankad, MBBS</i> | | | |
| 10:40 - 10:55 | Pediatric Brainstem Tumors Zoltan Patay, M.D., Ph.D. | | | |
| 10:55 - 11:10 | Artificial Intelligence and Pediatric Brain Tumors Kristen W. Yeom, M.D. | | | |
| 11:10 - 11:25 | Optimizing MR Imaging in Diagnosing Spinal Drop Metastases <i>Stephen F. Kralik, M.D.</i> | | | |
| 11:25 - 11:40 | Brain Tumor Treatment-related Complications Benita Tamrazi, M.D. | | | |
| 11:40 - 12:00 PM | Rapid Fire - Pediatric Brain Tumors Ashok Panigrahy, M.D. | | | |
| 12:00 | End of Program | | | |
| | | | | |

SPEAKERS AND MODERATORS

Nolan R. Altman, M.D. Nicklaus Children's Hospital Miami, FL

Jessie Aw-Zoretic, M.D. Ann & Robert H. Lurie Children's Hospital of Chicago Chicago, IL

Brenda Banwell, M.D., FRCPC, FAAN The Children's Hospital of Philadelphia Philadelphia, PA

Aashim Bhatia, M.D., M.S. Children's Hospital of Pittsburgh of UPMC Pittsburgh, PA

Susan I. Blaser, M.D., FRCP(C) The Hospital for Sick Children Toronto, Canada

Timothy N. Booth, M.D. Children's Health of Dallas Dallas, TX

Waleed Brinjikji, M.D. Mayo Clinic Rochester, MN

Karen Buch, M.D. Massachusetts General Hospital Boston, MA

Mariana Bugiani, M.D., Ph.D. Amsterdam University Medical Center Amsterdam, The Netherlands

Dorothy Bulas, M.D. Children's National Health System Washington, DC

Chiara Carducci, M.D. Bambino Gesù Children's Hospital Rome, Italy

Paul A. Caruso, M.D. Massachusetts General Hospital Boston, MA

Christopher Ian Cassady, M.D., FRANZCR Texas Children's Hospital and Fetal Center Houston, TX

Tushar Chandra, M.D. Nemours Children's Hospital Orlando, FL

Arabinda K. Choudhary, M.D. University of Arkansas for Medical Sciences College of Medicine Little Rock, AR

Amy R. Danehy, M.D. Boston Children's Hospital Boston, MA

Felice D'Arco, M.D. Great Ormond Street Hospital for Children London, United Kingdom

Pablo Picasso de Araujo Coimbra, M.D. Hospital Antonio Prudente Fortaleza, Brazil

Nilesh K. Desai, M.D. Texas Children's Hospital Houston, TX

Shrinivas Desai, M.D. Jaslok Hospital and Research Centre Mumbai, India

Birgit Ertl-Wagner, M.D. *The Hospital for Sick Children Toronto, Canada*

Judy A. Estroff, M.D. Boston Children's Hospital Boston, MA

Judith A. Gadde, D.O., MBA Emory University School of Medicine Atlanta, GA

Orit A. Glenn, M.D. University of California, San Francisco San Francisco, CA

Fabrício Guimarães Gonçalves, M.D., EDINR, EDIPNR McGill University Health Center Montreal, Canada P. Ellen Grant, M.D., MSc. Boston Children's Hospital Boston, MA

P.D. Griffiths, Ph.D., FRCR University of Sheffield Sheffield, United Kingdom

Julie Guerin, M.D. Mayo Clinic Rochester, MN

Laura L. Hayes, M.D. Nemours Children's Health System Orlando, FL

Gary L. Hedlund, D.O. *Primary Children's Hospital Salt Lake City, UT*

Gordon D. Heller, M.D. Mount Sinai West New York, NY

Mai-Lan Ho, M.D. Nationwide Children's Hospital Columbus, OH

Chang Y. Ho, M.D. Riley Hospital for Children Indianapolis, IN

Thierry A.G.M. Huisman, M.D., P.D., EDINR, EDIPNR, FICIS Texas Children's Hospital Houston, TX

Izlem Izbudak, M.D. Johns Hopkins Hospital Baltimore, MD

Michele H. Johnson, M.D., FACR, FASER Yale University School of Medicine New Haven, CT

Jeremy Y. Jones, M.D. Nationwide Children's Hospital Columbus, OH

Eftychia Kapsalaki, M.D. University Hospital of Larissa Larissa, Greece

Beth Kline-Fath, M.D., FAIUM Cincinnati Children's Hospital Medical Center Cincinnati, OH

Korgun Koral, M.D. Northwell Health New Hyde Park, NY

Stephen F. Kralik, M.D. *Texas Children's Hospital Houston, TX*

Neil U. Lall, M.D. Children's Healthcare of Atlanta Atlanta, GA

Jiraporn Laothamatas, M.D. Chulabhorn Royal Academy Bankgkok, Thailand

James L. Leach, M.D. Cincinnati Children's Hospital Medical Center Cincinnati, OH Yi Li, M.D.

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Luke Linscott, M.D. Primary Children's Hospital Salt Lake City, UT

Mohit Maheshwari, MBBS, M.D. Children's Hospital of Wisconsin Milwaukee, WI

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Jeffrey H. Miller, M.D. Phoenix Children's Hospital Phoenix, AZ

David M. Mirsky, M.D. Children's Hospital Colorado Aurora, CO

Karen K. Moeller, M.D. Norton Children's Hospital Louisville, KY

Jonathan (Jay) M. Morris, M.D. Mayo Clinic Rochester, MN

Pratik Mukherjee, M.D., Ph.D. University of California, San Francisco San Francisco, CA

Jonathan G. Murnick, M.D., Ph.D. Children's National Health System Washington, DC

Thomas P. Naidich, M.D., FACR *Icahn School of Medicine at Mount Sinai New York, NY*

Marvin D. Nelson, Jr., M.D., FACR Children's Hospital Los Angeles Los Angeles, LA

Ilana Neuberger, M.D. Children's Hospital Colorado Aurora, CO

William T. O'Brien, Sr., D.O., FAOCR Cincinnati Children's Hospital Medical Center Cincinnati, OH

Susan Palasis, M.D. Ann & Robert H. Lurie Children's Hospital of Chicago Chicago, IL

Michael J. Paldino, M.D. Children's Hospital of Pittsburgh of UPMC Pittsburgh, PA

Leah Platenik Palifka, M.D., M.S. Dartmouth-Hitchcock Medical Center Lebanon, NH

Ashok Panigrahy, M.D. Children's Hospital of Pittsburgh of UPMC Pittsburgh, PA

Zoltan Patay, M.D., Ph.D. St. Jude Children's Research Hospital Memphis, TN

Anvita Pauranik, M.D. Alberta Children's Hospital Calgary, Canada

Phillip L. Pearl, M.D. Boston Children's Hospital Boston, MA

Sanjay P. Prabhu, MBBS, FRCR Boston Children's Hospital Boston, MA

Sumit Pruthi, MBBS Monroe Carell Jr. Children's Hospital at Vanderbilt Nashville, TN

Rupa Radhakrishnan, M.D., MBBS, M.S. Riley Hospital for Children Indianapolis, IN

Ashley J. Robinson, M.D. Sidra Medical and Research Center Doha, Quatar

Nancy K. Rollins, M.D. Children's Health of Dallas Dallas, TX

Maura E. Ryan, M.D. Ann & Robert H. Lurie Children's Hospital of Chicago Chicago, IL

Gaurav Saigal, M.D. University of Miami Health System Miami, FL Asha Sarma, M.D. Monroe Carell Jr. Children's Hospital at Vanderbilt Nashville, TN

Erin Simon Schwartz, M.D., FACR *The Children's Hospital of Philadelphia Phildelphia, PA*

Dennis W. Shaw, M.D. Seattle Children's Hospital Seattle, WA

Karuna V. Shekdar, M.D. The Children's Hospital of Philadelphia Philadelphia, PA

Manohar M. Shroff, M.D., FRCPC Hospital for Sick Children Toronto, Canada

V. Michelle Silvera, M.D. Mayo Clinic Rochester, MN

Bruno P. Soares, M.D. University of Vermont Medical Center Burlington, VT

Ximenc Stecher, M.D. Facultad de Medicina Clínica Alemana -Universidad del Desarrollo, Santiago, Chile

Nicholas V. Stence, M.D. Children's Hospital Colorado Aurora, CO

Nucharin (Tanya) Supakul, M.D. Riley Hospital for Children Indianapolis, IN

Benita Tamrazi, M.D. Children's Hospital Los Angeles Los Angeles, CA

Aylin Tekes, M.D. Johns Hopkins Hospital Baltimore, MD

Unni Udayasankar, M.D. The College of Medicine Tucson Medical Imaging Tucson, AZ

Jennifer A. Vaughn, M.D. *Phoenix Children's Hospital Phoenix, AZ*

Louis-Gilbert Vezina, M.D. Children's National Medical Center Washington, DC

Arastoo Vossough, M.D., Ph.D. Children's Hospital of Philadelphia Phildelphia, PA

Matthew T. Whitehead, M.D. Children's National Medical Center Washington, DC

Jason N. Wright, M.D. Seattle Children's Hospital Seattle, WA

Edward Yang, M.D., Ph.D. Boston Children's Hospital Boston, MA

Kristen W. Yeom, M.D. Lucile Packard Children's Hospital Palo Alto, CA

Tina Young Poussaint, M.D., FACR Boston Children's Hospital Boston, MA

CASES OF THE DAY

Faculty & topics subject to change.

Deborah M. Zarnow, M.D. *The Children's Hospital of Philadelphia Philadelphia, PA*

Camilo Jaimes Cobos, M.D.

Children's Hospital of Orange County Children's Hospital

Diana P. Rodriguez, M.D. Nationwide Children's Hospital

Boston Children's Hospital

Hollie A. Lai, M.D.

Boston, MA

Orange, CA

Columbus, OH

REGISTRATION INFORMATION

2nd Annual Meeting of the American Society of

PEDIATRIC NEURORADIOLOGY

ASPNR20

| A late fee of \$75 will be added to any registr | ation postmarked after Dece | mber 20, 2019. | | | |
|---|--|------------------------------------|--|---|-------------------------|
| ⊐ ASPNR Member \$550.00 | □ Non-Member | \$ 7 | | rs-in-Training Chairman or Fellowsh | ip Director required) |
| ■ The Insider's Art Tour of Miami Thursday, January 9, 2020 • 9:00 AM – 3:00 Join us at this pre-event, where you will experier energetic, cutting-edge art scene and complete late afternoon waterfront lunch. | Gala Dinner Cruise □ Registrant • \$50 □ Guest • \$75 Saturday, January 11, 2020 • 7:00 PM – 10:30 / 11:00 PM The ASPNR has planned a fun-filled Gala evening aboard a beautiful yacht with music and Floridian cuisine where you will cruise Miami's beautiful and scenic Biscayne Bay. | | | | |
| | | | TOTAL EN | ICLOSED: \$ | |
| | ECHECKOUT | MAIL Check payable to: ASPNR | c/o Educational Symposia 5620 West Sligh Avenue Tampa, Florida USA 33634-4490 | FAX (813) 806-1001 | PHONE (813) 806-1000 |
| Name | | | Degree D.M.D. D.O. | Ph.D. Other | |
| Company / Institution | | | | | |
| 11 | | | | | |

| Address | City / State / Zip Code / Co | untry | | |
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| Phone Email | | 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 / Co | City / State / Zip Code / Country | | |

Cardholder Signature

CANCELLATIONS: Requests for refund of registration fees, less a \$75.00 administrative fee, will be made to those providing written notification of cancellation by December 20, 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.



EDEN ROC MIAMI BEACH

About The Hotel

In the heart of the city at the edge of the sea, Eden Roc Miami Beach provides a modern, comfortable setting to relax and enjoy the view. The spacious rooms include oversized balconies overlooking the ocean or the city skyline, with three distinct pools, beachfront cabanas, award-winning on-site dining and contemporary design in a central location in the middle of Miami Beach. At Eden Roc you can enjoy some of the best food in Miami Beach while feasting your eyes on the unbeatable views. Chef Helene Henderson delivers farm-to-table freshness with an ocean view at Malibu Farm, and at Nobu Miami, you will be treated to New Japanese-style cuisine known around the world.

How To Get There

Fly directly into Miami International Airport, just 30 minutes from Eden Roc Miami Beach. Daily non-stop flights are available to Miami on major national and international carriers.

SPACE IS LIMITED -

RESERVE YOUR HOTEL ROOM TODAY: Visit www.aspnr.org for meeting and accommodations information.

Call for Hotel Reservations: (305) 520-7407 and identify yourself as a registrant of American Society of Pediatric Neuroradiology (ASPNR) to receive the group discounted room rate.

Hotel Cut-off Date: December 9, 2019

Group Room Rates Start At \$295.00 nt.

Hotel Tax: 14%

Resort Fee:

Waived. Guests still receive the resort fee amenities.

Parking:

\$48 for 5 hours - 24 hours. Rate is \$25 for 5 hours or less. **Deposit Policy:**

A deposit of one-night room and tax is required at time of booking.

Cancellation Policy:

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

Check in time is: 4:00 PM; check out time is: 11:00 AM.

Hotel: 34525 Collins Avenue

Miami Beach, Florida 33140

Phone: (786) 801-6886