April 18th, 2024

Newsletter
from SPR24 Miami

Innovation and Global Impact

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The 67th Annual SPR Meeting Opens with Focus on Innovation and Global Impact



SPR President Dr. Kassa Darge opening the 67th SPR Annual Meeting in Miami.



SPR President Dr. Kassa Darge with Guest Lecturer Dr. Daniel Mollura.

The President of the SPR, Dr. Kassa Darge, opened the 67th Annual Meeting of the SPR with a broad smile and welcoming arms, saying, “I would like to extend my heartfelt gratitude to all the members of the Society.” The excitement was palpable as he announced that there were more than 700 attendees at this year’s meeting- the highest number of attendees at a SPR meeting to date. Similarly, this year’s conference received theN largest amount of support from corporate partners, with 21 exhibitors on-site. The excitement further heightened as Dr. Darge introduced the honored guest lecturer, Dr. Daniel Mollura- Founder, President, and CEO of RAD-AID.

Dr. Mollura inspired the audience with his lecture on the 'Organized Global Impact of Radiology Outreach by RAD-AID.' After informing that over half the world lacks radiology, Dr. Mollura described how RAD-AID brings radiology to low-resource areas by delivering education, equipment, infrastructure, and support. RAD-AID is a nonprofit organization that began in 2008 and has grown to a group of over 14,000 volunteers from 146 countries with programs in over 40 countries and 91 hospital sites.

“Healthcare is about human connection and bonding. Knowledge in your head is gold!” - Daniel Mollura

Dr. Mollura recanted multiple instances when radiologists, nurses, technologists, and informatics support specialists made a difference in the lives of sick children and their families in underserved areas worldwide.

Dr. Mollura discussed RAD-AID's three-pronged integrated strategy for AI adoption in resource-poor health institutions: clinical radiology education, infrastructure implementation, and phased AI introduction. These three components synergistically provide the foundation to address healthcare disparities.

Recently, RAD-AID won funding from a Google Global Goals grant to support low-resource hospitals using AI to triage and interpret imaging and communicate test results. With this funding, RAD-AID is even more poised to be able to improve diagnostic technology and experience for millions of patients. He called on the pediatric radiology community to help reach the one billion children in need worldwide. Global Health reconnects us to the patients and ideals we serve, and through radiology-readiness assessments, planning, implementation, training, analysis, and innovation, we can make a difference. The audience responded to Dr. Mollura's lecture with loud applause and a standing ovation.

Neuhauser Lecture: The EXTrauterine Environment for Neonatal Development (EXTEND)

As pediatric radiologists, we are uniquely aware that our tiniest patients often do not survive, despite great effort. Also, those who survive may be left with significant disability. This high mortality and morbidity rate of extremely premature infants is the driving factor behind the development of the Extrauterine Environment for Neonatal Development (EXTEND) by Dr. Alan Flake and his research collaborators at the Children's Hospital of Philadelphia (CHOP).

Beginning in 2013, Dr. Flake and colleagues utilized their deep understanding of the fetal environment to dream of a system that would mimic the unique fetal and maternal physiology in the third trimester of gestation outside of the womb. As this year's prestigious Neuhauser Lecturer, Dr. Flake described in depth how his team has perfected a system that nearly perfectly maintains normal fetal circulation and cardiovascular physiology via a pumpless arterial venous (AV), low resistance, and low volume oxygenator circuit connected to the fetus by the umbilical arteries and umbilical vein.

The goal of EXTEND is to provide a sterile fluid environment for maintenance of normal fetal liquid breathing and swallowing, with normal fetal circulation to support continued normal fetal organ development in fetuses at the cusp of viability (between 23-25 weeks gestation).



Dr. Alan Flake delivering Neuhauser Lecture at SPR 2024 Miami.

"Premature neonates are physiologically fetus and need fetal environment for further growth without complication"- Alan Flake

What are the possible benefits of the EXTEND technology for premature infants? Dr. Flake described that the unique amniotic fluid environment of the system has been shown to support continued physiologic lung growth between the canalicular and alveolar phases of development in both lamb and porcine models at equivalents of 23-25 week human fetuses.

Other benefits outside of the pulmonary system include an ability to provide gut trophic factors in extremely premature infants to promote gut maturation, isolation of the critically premature newborn from iatrogenic infections, and the support of normal fetal brain growth and development within a controlled physiologic system.

Thus, clinical application of the EXTEND system has the potential to decrease the significant morbidity and mortality seen in current extremely premature infants due to BPD, necrotizing enterocolitis (NEC), neonatal sepsis, and germinal matrix or intraventricular hemorrhage, and periventricular leukomalacia (PVL).

Pediatric radiology has the potential to play a significant role in monitoring patients in the EXTEND environment, which is perfectly suited for ultrasound evaluation. The EXTEND system has recently been granted FDA Breakthrough status. Currently, Dr. Flake and colleagues are in the process of pre-clinical testing prior to planned clinical trials. While this may take years, it is feasible to believe that current junior attending pediatric radiologists and pediatric radiology trainees may one day see the EXTEND in use.

The Edward B. D. Neuhauser Lecturer is the singular most prestigious lectureship for our specialty, and it has a long-storied history of renowned lecturers. With his presentation of the EXTEND system, Dr. Flake joins the ranks of previous lectures, including Helen B Taussig, Robert B Salter, John A Kirkpatrick, Beverly Wood, Joseph J Volpe, and many other leaders in the field of pediatric medicine.

SPR REF Symposium Showcases Impact of Grant Funding on Pediatric Research and Researchers



REF grant recipient Shireen Hayatghaibi from Cincinnati Children's Hospital presenting her research on healthcare costs. REF President Janet Reid on stage (right).



Marilyn Goske, Past SPR President, volunteering at SPR REF Booth in exhibit hall.

SPR Research and Education Foundation (REF) Symposium provides a platform for previous SPR REF grant recipients to present their research work. The session was chaired by REF President Dr. Janet Reid from CHOP. Six previous grant recipients who presented their research work in this symposium included Yi Li from UCSF Benioff Children's Hospital, Judy Squires from UPMC Children's Hospital of Pittsburgh, Shireen Hayatghaibi from Cincinnati Children's Hospital, Andy Tsai from Boston Children's Hospital, Ashim Bhatia from CHOP, and Sara Teixeira from CHOP. All presenters could explore their innovative and cutting-edge research ideas with REF funding. They thanked REF for career changing grants that established them as researchers. Dr. Reid also honored Heidi Patriquin awardees, Drs. Pradeep Raj Regmi from Nepal and Dr. Samud Sisay Hailu from Ethiopia, during the symposium. She appealed to all attendees to consider donating to SPR REF for this noble cause. No amount is too small, and details and ways to give can be found at https://www.spr.org/spr-ref.

SPR Honors its Trailblazers, Pioneers and Educators



This year's awardees with their presenters.

SPR honored its members who exceeded all expectations and advanced the field by their academic, scientific, educational, and leadership contributions. The awards ceremony is always a highlight of the annual meeting. In the ceremony presided by SPR President Dr. Kassa Darge attendees witnessed stories of challenging career paths, dedication and passion to improve health in children, finding the gift of life and giving back to humanity, and the emotional roster coaster of sacrifices and balancing family life. SPR REF awards were given by REF President Dr. Janet Reid.

The first award of the evening was the Presidential Recognition Award, an award for the individual whose energy and creativity has made a significant impact on this society and its members. With this year's award being focused on innovation and global impact, it is befitting that Dr. Misun Hwang from Children's Hospital of Philadelphia was the recipient. Dr. Hwang has made quantum leaps in innovations in pediatric radiology, focusing on US & CEUS imaging and theranostics with a one-of-a-kind pediatric focused basic science lab for US & CEUS. Dr. Hwang reflected on her career oriented around the philosophy of finding the gift of life and giving back to humanity.

The Honorary Membership Award, presented to individuals outside of North America who have made outstanding contributions to the care of children, was given to two individuals this year. Professor Wolfgang Hirsch, a renowned German pediatric radiologist and researcher, was bestowed with Honorary Membership for his pediatric imaging research years ahead of its time including pediatric lung MRI, PET MRI in children, and real-time MRI. The second Honorary Membership was bestowed upon Dr. Derek Roebuck for his illustrious path breaking career in pediatric interventional radiology spanning 4 continents, including starting the interventional radiology section at the Great Ormond Street Hospital for Children. He has previously served as the president of the Society of Pediatric Interventional Radiology (SPIR) and was previously awarded the gold medal of that society in 2021.

The Edward B. Singleton-Hooshang Taybi Award recognizes a senior member of the SPR whose professional lifetime dedication to the education of medical students, residents, fellows, and colleagues has brought honor to them and to the discipline of pediatric radiology. The recipient of this year's award was Dr. Jennifer Nicholas from Cincinnati Children's Hospital, who exemplifies this award. Dr. Nicholas has dedicated her life and career to global pediatric radiology care, education, and teaching with many outreach programs in several countries.

The Pioneer Award is given to members whose pioneering work in research, clinical, or practice development has led to the advancement of our specialty. This year's Pioneer Honoree was one of the giants of pediatric interventional radiology, Josée DuBois from CHU Sainte-Justine Hospital Montréal. Dr. Dubois was recognized for her immense contributions to the field of pediatric interventional radiology and her pioneering work with vascular anomalies. In an emotional acceptance speech, 'dedicated radiologist always available to her colleagues and patients,' Dr. Dubois reflected on the challenges of balancing a career and family, and the sacrifices made.

Dr. Janet Reid honored the Heidi Patriquin Awardees for International Education in Pediatric Radiology - Dr. Pradeep Raj Regmi, from Tribhuvan University Teaching Hospital, Kathmandu, Nepal (2023) , and Dr. Samu el d Sisay Hailu, from Addis Ababa University, Addis Aba b d a, Ethiopia (2024). The Award covers the cost of attending an SPR meeting for a pediatric radiologist who resides and practices outside of North America.

Mrs. Ellie Slovis and Mrs. Ozzie Haller, the widows of Dr. Slovis and Dr. Haller, handed over the Jack O. Haller-Thomas L. Slovis Award for Excellence in Pediatric Radiology Education. This year's recipient was Dr. David Bloom from Mott Children's Hospital Ann Arbor, Michigan. The beloved and revered teacher has made teaching and building future radiologists and pediatric radiologists a mission of his life. During his acceptance speech he reflected upon the mentorship and friendship of Dr. Slovis in his career.

The SPR Gold Medal Award is the highest and most distinguished honor, awarded to pediatric radiologists and individuals who have contributed greatly to the SPR and our subspecialty. Dr. James Donaldson received the well-deserved award with a standing ovation. Dr. Donaldson contributed immensely to the specialty with his distinguished career as a pioneer in pediatric interventional radiology. Some of his contributions included IR technique development, research, and training and inspiring future interventional radiologists. Dr. Donaldson was exceptional leader who served as the Secretary, President and Board Chair of SPR as well as first President of Society for Pediatric Interventional Radiology.



Gold Medalist Dr. Jim Donaldson (center) with presenter Dr. Shankar Rajeswaran (left) and SPR President Dr. Kassa Darge (right).

Most popular show at SPR 2024 - Jeopardy - back with more Fun and Laughter!



Both Jeopardy teams with Host Rich Heller in the middle.

This year's SPR Jeopardy game, led by Dr. Rich Heller, was among the funniest to date, with the invaluable help of Dr. Lizzie Snyder in the background, as the game's judge and question writer. Team Intussusceptors was captained by Dr. Patricia Acharya, with Drs. Maddy Artunduaga, Alexandra Foust, and Jesse Sandberg. Team OverCaffeyNated was captained by Dr. Laura Hayes, with Drs. Teresa Victoria, Camilo Jaimes, and Thomas Mulvey. The most chuckle-evoking categories were Pictionary (with Dr. Kassa Darge as the 'jeojpartist'), Before and After: Taylor Swift Version, and Spelling Bee. The Heller Cup was won by Team Intussusceptors, with a team spirit award given to the costume-clad Team OverCaffeyNated. Don't forget the umlaut!



Photo (right): OverCaffeyNated team members- Laura Hayes and Teresa Victoria

Attendees Learn Basics of CEUS in 3-day Hands-On CEUS Workshop



Attendees learning CEUS with workshop lead organizer Dr. Susan Back (far right).

The special Pediatric CEUS Hands-On Workshop included small group, hands-on multiday sessions where attendees were able to practice CEUS scanning using teaching models that simulated intravenous CEUS and contrast-enhanced voiding urosonography applications. Participants were able to learn the basic principles of pediatric CEUS applications with the overarching goal of the workshop to help establish this safe, effective imaging approach in pediatric hospitals and imaging centers throughout the United States and the world. It was sponsored by Bracco Diagnostics, Children's Hospital of Philadelphia, GE Healthcare, Philips Healthcare, and Siemens Healthineers.

Eminent Experts Deliver Keynote Lectures Aligning with Meeting Theme of 'Innovation and Global Impact'



Dr. Mesha Martinez, Pediatric Neurointerventional Radiologist from Texas Children's Hospital delivering a keynote lecture.

Aligning with the theme of this year's annual meeting, 'Innovation and Global Impact' eminent experts in the field delivered keynote lectures discussing advancements set to redefine the diagnosis and treatment of pediatric diseases, education, leadership, global outreach, AI implementation, and impact of climate change on child health. Keynotes lectures were delivered at the beginning of scientific sessions on cutting- edge topics, including MRI Fingerprinting, Real-time MRI of lungs, quantitative imaging of placenta, bowel, and kidney; newer techniques and protocols in fetal cardiac imaging, epilepsy imaging, pediatric neurointerventions, MSK ultrasound, rapid MSK protocols, and nanoparticle imaging. Dr. Harris Cohen from Le Bonheur, Memphis, looked back at innovations in pediatric gastrointestinal imaging that occurred throughout his career span. Dr. Geetika Khanna, Managing Editor – The America, Pediatric Radiology, discussed four break-through research papers published recently in the journal that will impact your clinical practice.

First Ever Shark Tank Event Enthrals Audiences at SPR2024



Shark Tank winner Sergio Gatidis pitching to panel of judges- (from left to right) Sze, Vorstenbosch-Lynn, Chan, Reid Huisman, and Daldrup-Link.

The debut of Shark Tank at the SPR Annual Meeting was a resounding success. Conceived by SPR President Kassa Darge and planned and executed by Raymond Sze from UCSF Benioff Children's Hospital, Oakland, this new feature at the SPR annual meeting received 24 applications to pitch and grab an $8,000 award. Of these, four finalists were chosen to present their big ideas to an esteemed panel of judges, including Drs. Raymond Sze, Sherwin Chan from Children's Mercy Kansas City, Heike Daldrup-Link from Stanford, Thierry Huisman from Texas Children's Hospital, Janet Reid from CHOP, and Ms. Elizabeth van Vorstenbosch-Lynn from Philips Healthcare. Each finalist was allotted 5 minutes to pitch, followed by 5 minutes of questioning from the judges, all in front of a house full of an engaging audience. The atmosphere was lively, fun, and informative. Presenters were probed with sharp questions from the judges. Dr. Sergios Gatidis of Stanford Medicine Children's Health was declared winner of the first- ever SPR Shark Tank for his proposal on "A General, Multi-Purpose AI Framework for Dense Anatomic Segmentation of Pediatric Plain Films Studies." The other finalists included "My Liver Art" by Kay North from Children's Mercy Kansas City; "Optical Imaging Guidance for Pediatric Fluoroscopy" by S. Aaron Ross of El Paso Imaging Consultants, and "AnesthaTest: A Novel AI Algorithm to Predict Pediatric Anesthesia Requirement" by Jocelyn Cheng from UCSF.

Dr. Beth Kline-Fath Named SPR President for 2024-25



Drs. Beth Kline-Fath (right) and Kassa Darge (left) during the transition of presidency.

Dr. Beth Kline-Fath, Chief of Fetal and Neonatal Imaging at Cincinnati Children's Hospital Medical Center and Professor of Radiology at the University of Cincinnati, Ohio, was inaugurated as the President of SPR when the baton was passed on to her by current President Dr. Kass Darge during the annual members' business meeting. Dr. Darge also passed on a garland of pendants with one pendant having the name of the outgoing president added each year to it, a ritual during the presidency transition. Dr Kline-Fath will preside over the 68th Annual Meeting of SPR in Hawaii, April 7-11, 2025. Dr. Darge will serve as Chair of the SPR Board of Directors for the 2024-25 year, replacing outgoing Chair Dr. Stephen Simoneaux, Professor, Emory University School of Medicine, Atlanta. The Annual budget and liaison reports were also presented during the business meeting. that was attended by SPR members only.



Attendees of the business meeting.

Protocol Sessions



CT Protocol Session: Drs. Cao, Hansen, Silvestro, Phillips (left to right).

Ultrasound:

Dr. Leann Linam, Chair of the SPR Ultrasound Committee, moderated this year's US protocol session, and she was joined by Dr. Misun Hwang from CHOP, Dr. Shankar Rajeswaran and Dr. Jonathan Samet from Lurie Children's, Chicago.

Dr. Hwang discussed the brain CEUS protocol and applications, including the unique advantage of performing dynamic perfusion assessment at the bedside, the potential to enhance diagnostic accuracy, therapeutic guidance, and prognostication, and the potential for discovery of novel cerebrovascular biomarkers.

Dr. Rajeswaran discussed the algorithm for distinguishing between different vascular lesions on ultrasound. He stressed the importance of accurately diagnosing the type of vascular lesion, as the treatment varied depending on the type. He also provided a helpful checklist for sonographers to help guide their exam, including presence at birth, growth with age, skin discoloration, warmth, subcutaneous location, intramuscular location, position dependence, compressibility, presence of arterial flow, and spectral waveform.

Finally, Dr. Samet discussed the utility of US in lower extremity peripheral nerve evaluation. He reviewed the nerve anatomy on ultrasound and the nerves to know in the lower extremity. He emphasized the advantages of ultrasound in evaluating the lower extremity peripheral nerves, including the lack of sedation or contrast needed. It is especially helpful over MRI if orthopedic hardware is present.

CT:

Dr. Grace Phillips moderated this year's CT protocol session, and she was joined by Dr. Joseph Cao, Elizabeth Silvestro, PhD (c), and medical physicist Carly Hansen. Dr. Cao, from Duke, presented his work with photon counting CT systems. He relayed that these systems help reduce the stress and complexity of enhanced CTs and emphasized a 'less is more' model. The photon counting systems demonstrate better enhancement at lower doses, and he has standardized the complexity of contrast use of this system by implementing a 1mL/kg dose at a rate of 1mL/sec on all scans.

Elizabeth Silvestro, a PhD from CHOP expert in 3D medical imaging, detailed her group's work on implementing and growing a 3D printing lab. She asked that any labs that currently make models submit their information to the RSNA 3D printing Special Interest Group. She emphasized a 'learn, teach, and explore' model.

Lastly, Carly Hansen, a Medical Physicist from Texas Children's Hospital, detailed her work using AI and deep learning reconstructions. She has utilized AI in many aspects of CT imaging, ranging from patient positions, exam setup, scan ranges, parameter selection, and image reconstruction. She has been working hard to use AI and deep learning reconstructions to improve image quality while keeping the dose the same, and maintaining image quality while decreasing the dose or decreasing slice thickness. These innovative efforts will continue to improve our practice and our care for our young patients.

MRI:

MR Protocol session was moderated by MR Committee Chair Cara Morin, from Cincinnati Children's Hospital and Vice-chair Lindsay Griffin from Connecticut Children's Hospital. Dr Morin listed the committee's various initiatives with the overarching goal to improve safety, quality, and availability of MRI in children. Dr. Elizabeth Tang from Children's Hospital Colorado discussed collaboration between the MR and Abdominal committees on optimizing liver protocol. The need for optimization of sequences and protocols at the factory level was stressed so that diagnostic quality MR imaging in children is available even at centers that are not specialized in pediatric imaging. Like previous years, the MR Protocol session provided an opportunity for vendors to showcase their new offerings in pediatric MRI.

Three major vendors, including GE, Philips, and Siemens presented their latest offering in pediatric liver MR imaging. All of them have a free breathing sequence for post-contrast dynamic imaging, including DISCO STAR (GE), 4D FreeBreathing (Philips) and GRASP-VIBE (Siemens). Vendors offered radial options with navigators (PORPELLER/GE and MultiVane XD/Philips) for T2-weigted imaging for the liver and abdomen. Siemens showcased their deep learning reconstruction technique, Deep Resolve Boot, to reduce overall exam time significantly with both breath hold and free breathing options. This was followed by a panel discussion on optimizing protocols with panelists Ali Sayed from Stanford and Morgan McBee from MUSC. The importance of teaming up with and educating MR technologists on image quality was discussed.

SPR 2024 Photo Gallery











ECTC Events



The early career and trainee programming was highlighted by a luncheon which was well attended. Attendees engaged in lively discussions, sharing experiences and making connections. It was a valuable opportunity for the junior members of our society to connect, learn, and grow.

SLARP Sessions



Eminent speakers and leaders of SLARP (from left to right)- Drs. Esteban Dardanelli, Andres Garcia-Bayce, Florencia De Barbieri, Diego Jaramillo and Jose Lipsich.

The annual meeting had parallel educational Spanish language sessions in collaboration with SLARP (Sociedad Latinoamericana de Radiología Pediátrica) on Sunday April 14, 2024. These sessions lectured by eminent pediatric radiologists included sessions on innovations in pediatric imaging, technology innovations, Innovations in education and interesting cases and were well attended.



Attendees getting officially trained for Salsa dance before gala dinner.

SPR 2024 Annual Meeting Awards

Cases of the Day Winner

Chantale Lapierre, CHU Sainte-Justine, Montréal, Canada

SPR 2024 Best Photo Award

Summit Shah, Nationwide Children's Hospital, Columbus, OH

Caffey Award – Best Educational Poster

Imaging Evaluation of Pediatric Facial and Scalp Pathologies

Samantha Gerriel, Eman Marie2, Helen Branson3, Oscar M. Navarro3
1Radiology, BC Children's Hospital, Vancouver, British Columbia, Canada, 2McMaster Children's Hospital, Hamilton, Ontario, Canada, 3Hospital for Sick Children, Toronto, Ontario, Canada

Caffey Award – Best Case Report Poster

A Case of X-Linked Deafness/Incomplete Partition Type 3 with Radiologic Evidence of Hypothalamic Malformation

Mana Sheykhsoltan, Kelly Scriven, Michael Hoa, Arash Zandieh
Georgetown University School of Medicine, Washington DC

Caffey Award – Best Scientific Poster

A Single One-minute Brain Scan for Generating Multiple Synthetic Image Contrasts from Quantitative Relaxometry Maps

Anandh Kilpattu Ramaniharan, Amol S. Pednekar, Nehal Parikh, Usha D. Nagaraj, Mary Kate Manhard
Radiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

The American Academy of Pediatrics
Section on Radiology
2024 Outstanding Poster Award

Navigating the Upper Extremity: A Roadmap for the Normal Radiographic Appearance of the Developing Shoulder and Elbow

Sriya Kosarajul, Eric Errampallil, Mathew Illimoottill, Lakshmi Priyal, Emily Orscheln2
1University of Missouri- Kansas City, Chesterfield, 2Children's Mercy Hospital, Kansas City, MO

World Federation of Pediatric Imaging
Outstanding Educational Poster

Not All That Aches is Appendicitis: Imaging Evaluation of Clinical Mimics of Appendicitis

Sriya Kosarajul, Eric Errampallil, Mathew Illimoottill, Lakshmi Priyal, Emily Orscheln2
1University of Missouri - Kansas City, Chesterfield, 2Children's Mercy Hospital, Kansas City, MO



Best photo awardee.



Q&A Session: Dr. George Taylor.

John Kirkpatrick Young Investigator Award

Effect of Environmental PFAS Exposure on Pediatric Neuromorphometry: The HOME Study

Jasmine Haraburda
University of Cincinnati College of Medicine, Cincinnati, OH

Caffey Award – Best Basic Science Paper

Early Detection of Endothelial Injury in Aortic Aneurysm and Dissection Using Nanoparticle Contrast-Enhanced Computed Tomography

Laxman Devkota1, Chen Zhang2, Prajwal Bhandari1, Deborah Vela3, Zbigniew Starosolski1, Ying H. Shen2, Scott A. LeMaire2, Ketan Ghaghada1
1Texas Children's Hospital / Baylor College of Medicine, Houston, TX, 2Baylor College of Medicine, Houston, TX, 3Texas Heart Institute, Houston, TX

Caffey Award – Best Clinical Science Paper

Predictive Capability of Fetal 4D Flow and Black Blood Slice to Volume Reconstruction for Prenatal Diagnosis of Coarctation of the Aorta (CoA)

Lorna Browne1, Richard M. Friesen1, Erin K. Englund1, Takashi Fujiwara1, Paul Polak1, Sarah Smith2, Bettina Cuneo1, Mehdi H. Moghari1, Michael V. Zaretsky1, Mariana L. Meyers1, Emily M. Bucholz1, Camila Londono Obregon1, Alex J. Barker1, 1University of Colorado, Aurora, CO, 2Children's Hospital Colorado, Aurora, CO

Caffey Award – Best Non-Clinical Paper

Communicating Radiation Risk in Patient Decision Aids Involving Imaging: A Scoping Review of Presentation Format

Trey Baird2, Melissa Previtera2, Samuel L. Brady1, Davene Wright3, Andrew T. Trout1, Shireen Hayatghaibi1
1Radiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, 2University of Cincinnati, Cincinnati, OH, 3Harvard Medical School, Boston, MA

The American Academy of Pediatrics
Beverly P. Wood
Outstanding Pediatric Radiology Clinical Educator Award

Jennifer L. Nicholas, MD, MHA, MEd

Pediatric Radiology Journal Awards

2023 Walter E. Berdon Award:
Best Clinical Science Paper

"Assessment of lung ventilation of premature infants with bronchopulmonary dysplasia at 1.5 Tesla using phase-resolved functional lung magnetic resonance imaging"

Jonathan P. Dyke1,2, Andreas Voskrebenzevm3,4, Lauren K. Blatt5, Jens Vogel-Claussen3,4, Robert Grimm6, Stefan Worgall5, Jeffrey M. Perlman5, and Arzu Kovanlikaya7
1Citigroup Biomedical Imaging Center, Weill Cornell Medicine, New York, NY;2 Department of Radiology, Weill Cornell Medicine, New York, NY; 3Hannover Medical School, Hannover, Germany; 4Biomedical Research in Endstage/Obstructive Lung Disease (BREATH), German Center for Lung Research (DZL), Hannover, Germany; 5Department of Pediatrics, Weill Cornell Medicine, New York, NY; 6Siemens Healthineers, Erlangen, Germany; 7Department of Radiology, Weill Cornell Medicine, New York, NY

2023 Thomas L. Slovis Award:
Best Basic Science Paper

"Contrast-enhanced subharmonic aided pressure estimation for assessment of intracranial pressure in vivo"

Abby C. Larson1, Anush Sridharan2, James K. Moon1, Divyansh Agarwal3,4,
Jonathan Chang1, Kirk D. Wallace5, Flemming Forsberg6, and Ryne A. Didier7,8,9

1Department of Surgery, Children's Hospital of Philadelphia, PA; 2Department of Radiology, Children's Hospital of Philadelphia, PA; 3Perelmen School of Medicine, University of Pennsylvania, Philadelphia, PA; 4Massachusetts General Hospital, Harvard Medical School, Boston, MA; 5GE Global Research, Niskayuna, NY 6Department of Radiology, Thomas Jefferson University, Philadelphia, PA; 7Department of Surgery, Children's Hospital of Philadelphia, PA; 8Department of Radiology, Children's Hospital of Philadelphia, PA; 9Perelmen School of Medicine, University of Pennsylvania, Philadelphia, PA

SPR 2024 Program Planning Committee

Kassa Darge, MD, PhD –Chair

Hansel Otero, Program Director

Sherwin Chan, Program Director

Scientific Session Keynote Speakers

Govind Chavhan, MD

Ami Gokli, MD

Andrew Trout, MD

CEUS Hands-on Workshop

Susan Back, MD -Chair

Elizabeth Brennan, RDMS

LauramayDavis, MBChB

Trudy Morgan, RDMS

Aikaterini Ntoulia, MD, PhD

James Purswani

Elizabeth Silvestro, MSE

2024 Postgraduate Course

Sudha Anupindi, MD –Director

HaiThuyNguyen, MD –Co-Director

Grand Masters: G. Taylor

GU: M. Artunduaga, E. Riedesel

MSK: D. Jaramillo, J. Nguyen

Patient Safety: E. Rubio, A. Joshi

GI: R. Ayyala, G. Schooler

Neuro: A. Paningrahy, Y. Li

Neuroradiology: A. Vossough, ML. Ho

Quality: D. Larson, S. Kaplan

Midday Workshops

Aikaterini Ntoulia, MD, PhD

Contrast US: S. Back, P. Acharya

AI: M. Sammer, S. Sotardi

Outreach: H. Otero, D. Bulas

Emergency Rad: S. Kaplan, M. Aquino

Quantitative US: J. Dillman, M. Epelman

Research: A. Doria, R. Krishnamurthy

Neuroradiology: A. Vossough, ML. Ho

MR Kidneys: S. Serai, J. Chow

Fluoro: S. Kraus, M. Fadell

Shark Tank

Ray Sze, MD -Chair

SherwinChan, MD

Heike Daldrup-Link, MD,PhD

Thierry Huisman, MD, PhD

Janet Reid, MD, MSEd

Elizabeth van Vorstenbosch-Lynn -Philips

SLARP Track

Hansel Otero, MD –SPR -Chair

Monica Epelman, MD -SPR

Tatiana Fazecas, MD -SLARP

Carlos Ugas, MD -SLARP

Pediatric Radiology Jeopardy

Richard Heller, MD

Cases of the Day Competition

Neil Johnson, MD

Joo Cho, MD

Teresa Victoria, MD, PhD



Postgraduate Course April 25-26 Live Online

The annual SPR Postgraduate Course will be held separately and live online this year on April 25-26, 2024. Don't miss this great learning opportunity.

Register at: spr.org/events



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SPR Team 2024



Backbone of SPR- SPR Team: Angela Davis (left), Jessica Whalen (second from right) and Jenny Raju (right), with SPR President Kassa Darge.

With Gratitude to Our Corporate Partners at SPR 2024

The SPR is extremely grateful to our corporate partners at SPR 2024. The Biscayne Ballroom was filled with interesting exhibits and helpful information for us and for our patients and their families. The corporate sponsors of SPR 2024 include: Bracco Diagnostics, Children's Hospital of Philadelphia, ChiRhoClin, FUJIFILM Healthcare, GE HealthCare, Gleamer, Guerbet, InkSpace Imaging, North Medical GmbH, Norton Children's Medical Group, Nuance, Philips Healthcare, Qaelum, Radiology Associates of North Texas, Realize Medical, Scottish Rite Hospital for Children, SealCath, Time Medical Limited, Siemens Healthineers, Trachinnovations, Visiana – BoneXpert.

Without their generous support of $280,000 USD, this meeting would not have been possible.

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