SPR 2018
Annual Meeting & Postgraduate Course

"Value-added Pediatric Radiology"

May 15–19, 2018 - Omni Nashville Hotel

NASHVILLE

Jointly Provided by the American College of Radiology
General Information

Learning Objectives ................................................................. 3
Accreditation Statement ............................................................... 3
Credit Designation Statement .................................................... 3
Technologists ........................................................................... 3
SAMs ..................................................................................... 4
Obtaining CME Credits ............................................................... 4
Evaluations ............................................................................... 4
Overview of Sessions ................................................................ 4
Postgraduate Course Sessions .................................................... 4
Workshops (Sunrise and Midday) ................................................ 4
Technologists Program Track ..................................................... 5
Saturday Topic-focused Sessions ................................................. 5
SPR 2018 Online Cases of the Day .............................................. 7
Overview of Non-CME Sessions ............................................... 7
Protocol Sessions ..................................................................... 7
Junior SPR Program ................................................................ 7
Electronic Posters ..................................................................... 8
Commercial Exhibits ................................................................. 8
Internet Access .......................................................................... 8
Speaker Ready Room ................................................................. 8
Special Events .......................................................................... 9
Omni Nashville Meeting Floor Plan ........................................... 53
Upcoming Meetings of the SPR ................................................. 54

Program 2018

Postgraduate Course Program .................................................. 10-15
Annual Meeting Program ......................................................... 16-52
Technologist Program ............................................................. 24,30,33,35,43,46,52
GENERAL INFORMATION

LEARNING OBJECTIVES
The Society for Pediatric Radiology Annual Meeting & Postgraduate Course will provide pediatric and general radiologists with an opportunity to do the following:

1. Summarize the most current information on state-of-the-art pediatric imaging and the practice of pediatric radiology.
2. Describe and apply new technologies for pediatric imaging.
3. Describe and apply basic principles for implementing quality and safety programs in pediatric radiology.
4. Discuss trends in research concerning the care and imaging of pediatric patients.
5. Identify common challenges facing pediatric radiologists, and possible solutions.
6. Evaluate and apply means of managing radiation exposure and the need for sedation/anesthesia during diagnostic imaging and image-guided therapy.

At the conclusion of the experience, participants should have an improved understanding of the technologies discussed, the benefits of medical imaging, increasing awareness of the risks of imaging, including radiation, to children and of ways to minimize these risks, and an understanding of evolving technologies, techniques and applications of imaging evaluation in children.

ACCREDITATION STATEMENT
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education through the joint providership of The American College of Radiology and The Society for Pediatric Radiology. The American College of Radiology is accredited by the ACCME to provide continuing medical education for physicians.

CREDIT DESIGNATION STATEMENT
The American College of Radiology designates this live activity for a maximum of 39.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

TECHNOLOGISTS
The American College of Radiology is approved by the American Registry of Radiologic Technologists (ARRT) as a Recognized Continuing Education Evaluation Mechanism (RCEEM) to sponsor and/or review Continuing Medical Educational programs for Radiologic Technologists and Radiation Therapists.

The American College of Radiology designates this educational activity as meeting the criteria for up to 42.75 Category A credit hours of the ARRT.
SAMs
Qualified on January 29, 2018, select sessions from this activity meet the American Board of Radiology criteria for a self-assessment (SAM) activity and is designated for up to 14.50 SAM credits toward the ABR Maintenance of Certification program.

OBTAINING CME CREDITS
To obtain a CME certificate, you must access the online claiming website. The URL, along with your username and password were sent prior to the start of the Meeting. Once you have accessed the site, you should claim credit for the session(s) that you participated in, as well as complete the applicable evaluation forms. If you do not complete this online process, you will not receive a CME certificate. The online claiming website can also be used to obtain ARRT credit and certificates of participation. Please see the staff at the Registration Desk with questions.

EVALUATIONS
Evaluations of the 2018 SPR Annual Meeting must be completed online via the online claiming website. Please take a moment to respond to the applicable evaluations to assist us in planning future programs and to enable us to continue to provide CME for our educational activities.

OVERVIEW OF SESSIONS
POSTGRADUATE COURSE SESSIONS
The 2018 SPR Postgraduate Course brings you three high impact offerings from more than 80 expert speakers in our field:

1) a body imaging tract that will cover state-of-the-art gastrointestinal, hepatobiliary, pancreatic, genitourinary, thoracic, and vascular imaging (all day Tuesday and Wednesday morning);
2) a mixed tract that will include fetal, neuro, and musculoskeletal imaging as well as a variety of safety and physics topics (all day Tuesday); and
3) an Image Gently-based tract (Wednesday morning).

We have endeavoured to incorporate novel, effective teaching methods to address topics that are current, sometimes confusing or complicated, and relevant to your practice. By assigning pairs of lecturers to each focused topic, you will experience micro-didactic lectures followed by case-intensive, image-rich iteration which we hope yields high retention of new knowledge and increased confidence to your practice.

As in past years, select Postgraduate Course sessions will offer Self-Assessment Module (SAM) credit. A new and improved version of the always engaging RSNA Diagnosis Live™ software that can be accessed by any smartphone, tablet or computer will again be used. Be sure to bring your charged device to be able to participate electronically!

WORKSHOPS (SUNRISE & MIDDAY)
New for this year, we will have workshop sessions both in the morning and in the early afternoon. For most timeslots, there will be 6 different workshops running concurrently. Across the two days, there will be a series of workshops focusing on child abuse, culminating in a mock-trial session on Friday. In addition, there will be a variety of
workshops each day focused on non-interpretive skills, including workshops on diversity in pediatric radiology, leadership, professionalism, healthcare policy and radiation safety. There will also be workshops discussing topics which have not typically been featured in prior SPR sunrise sessions, including an “IR Lite” session for those who perform procedures as part of their practice but are not dedicated interventionalists, a session on pediatric neuroradiology, a session on nuclear medicine and a session on interpreting MR arthrography. Finally, we will also have several workshops which highlight specific areas including MR techniques, advanced body imaging techniques, airway imaging, chest imaging and even a session focused on appendicitis imaging. Certain sessions will also employ novel teaching methods such as flipped classroom, audience response and small group discussions. Rather than back-to-back, long didactic lectures, most workshops will be divided into short, 10-15 minute talks and discussion sessions, allowing for more active learning. We hope to see you there!

**Back by Demand! – TECHNOLOGIST PROGRAM TRACK**

The Radiographer Program is back, but with a new name – The Pediatric Imaging Technologist Program. 2018 marks the third consecutive program track dedicated to pediatric imaging technologist in conjunction with the SPR Annual Meeting. The Program will run Thursday, May 17, 2018 through Saturday, May 19, 2018. Sessions focused on topics in all radiology modalities, and also includes a scientific session with a variety of topics from your peers. Lectures will be delivered by technologists and radiologists from North America and Canada.

**SATURDAY TOPIC-FOCUSED SESSIONS**

**Interventional Radiology Session (SAM Session)**

Led by up-and-coming leaders in the field of pediatric interventional radiology, this session provides insights into state of the art IR practice and future developments. Topics including transplant, GI, GU, MSK, and venous access intervention will be discussed, followed by a practical overview of practice management.

**Neuroradiology Session (SAM Session)**

Scientific advances in neuroscience have enhanced our understanding of pediatric CNS disease processes that we encounter every day. Their imaging evaluation has evolved as we employ technological advances that allow early and accurate diagnosis. The 2018 Pediatric Neuroradiology Session focuses on a variety of neurologic conditions where scientific developments and new concepts have been introduced. New insights into immune-related mechanisms leading to childhood encephalitis have emerged and MR evaluation can offer diagnostic clues. Growing community awareness around acute stroke in children has increased the demand for emergent neuroimaging and radiologists must know when and how to perform these examinations. The lecture on intractable pediatric epilepsy will demonstrate the importance of high-resolution MR imaging and review the challenges of defining the zone of seizure onset. The rapidly advancing field of genetics has changed how we classify brain tumors and led to the new WHO 2016 classification. Specific molecular tumor subgroups are being continually defined and the implications of these new discoveries to us as radiologists will be discussed. Brain tumor treatment-related complications can be equally devastating to
patients and a review of these will be included in this session. The pathophysiologic mechanisms of hydrocephalus and increased intracranial pressure in children and its neuroimaging evaluation will be discussed. The development of next-generation genetic sequencing and animal model research have led to more accurate definition and classification of congenital abnormalities of the posterior fossa which is important for the neuroimaging evaluation of these disorders.

**Oncology Session (SAM Session)**
A half-day session focusing on oncologic imaging in pediatric patients. This year, the nuclear medicine and PET/MR sessions combined will host a multimodality imaging evaluation including advanced anatomic and metabolic/functional imaging with an interactive approach incorporating audience response. With focused and broad topics in oncology, this session, led by experts in the field, will strengthen your evaluation of cancer in children and help us to strategize with our referring oncologists to tailor a personalized medicine approach to the patient. Topics include: PET/CT and PET/MR, Cancer predisposition syndromes, thyroid cancer, RECIST and zebras in pediatric oncology.

**Education Session (Non-SAM Session)**
This year we have gathered a dynamic group of people, each with a strong track record in radiology education. The goal for this half-day flipped classroom/active-learning session is to maximize your teaching productivity through the creation of your own portfolio. This round-table workshop is designed to be hands-on with four instructional micro-lectures, each followed by half hour blocks to allow you to create and populate your personal portfolio from the ground up. A team of tech-savvy colleagues will circulate and serve as assistants, troubleshooters, and sources of educational wisdom. Enrolment is limited to 30 people. Each participant must bring a laptop computer, watch the pre-recorded videos and preload the instructional materials delivered in advance of the program.

**Hands-On Ultrasound Session: How To Do It Right! (Non-SAM Session)**
Ultrasound is the most versatile and valuable of the non-ionizing radiation imaging modalities, and pediatric radiologists continue to be at the forefront of developing and adopting new and improved ultrasound techniques. This hands-on ultrasound session will focus both on advanced ultrasound imaging incorporating ultrasound elastography and contrast ultrasound as well as three challenging pediatric ultrasound applications, lung parenchyma, orbital and vomiting infant ultrasound. The course will provide a mix of didactic lectures, demonstration of exams by expert sonologists, and hands-on scanning by participants with faculty guidance. It will also include in vitro demonstration of ultrasound contrast application. The Session begins with contrast US. This will be followed by applications and techniques of elastography in the pediatric abdomen. After this ultrasound of the lungs and ultrasound of the orbits will be covered. The final part is devoted to ultrasound of the vomiting infant. Throughout the session there will be an emphasis on practical techniques to improve sonographic diagnostic performance.
SPR 2018 ONLINE CASES OF THE DAY
Sponsored by World Federation of Pediatric Imaging
Tuesday, May 15 – Friday, May 18, 2018

On each day of SPR 2018 except Saturday, a web-based “Cases of the Day” online system will show six new unknown cases to challenge your pediatric radiology knowledge. From 8:00 a.m. each day Central Time go to: http://sprcod.org from virtually any web connected device including common smartphones. After completing a simple one-time registration process, you will see a link to a new case every day in each of six categories and then submit your answer online. New! In 2018 all correctly diagnosed cases will carry CME credit. Only meeting attendees are eligible to receive CME credit for this activity.

An additional category “Just for fun” is exactly that, and will show images of past SPR events, pediatric radiology personalities or other fun material, but these answers will not be counted for the leaderboard or overall winner.

Hit the books, brush up on your paediatric or pediatric radiology knowledge and get ready for a new online case based educational experience!

OVERVIEW OF NON-CME SESSIONS
3D READ WITH THE EXPERTS SESSION
(Lunch provided for the first 100 participants)
We invite you to participate in the Ninth Annual 3D Read with the Experts lunch session on Wednesday, May 16th from 11:50 am – 1:20 pm. The goals of this session are for Pediatric Radiologists to observe 3D, 4D, and other image post-processing techniques, to interact with presenting experts, and to learn how to incorporate 3D and other techniques, including 3D printing, into their Pediatric Radiology practices. A broad range of clinical and surgical issues will be addressed along with practical applications of image processing technology.

PROTOCOL SESSIONS
(Lunch provided for the first 60 participants*)
Protocol refinement and problem solving sessions will be offered again this year. The goal of these sessions is to develop, through discussion and interaction, manufacturer-specific CT*, MR* and US protocol improvements. Provided templates and audience suggestions, and discussions of challenges will help fashion protocol improvements. Participants should come prepared with specific questions and challenges. The discussion will be led by experts in the field who have hands-on experience with the equipment operation and protocol design. Vendors will also have representatives, who can respond to questions about trouble with specific exam types, sequencing, best sequencing processes, image optimization, dose reduction, etc.

JUNIOR SPR PROGRAM
Come connect, and have fun with your colleagues and friends at the jSPR Luncheon! The luncheon will be held on Tuesday, May 15th from 12:00 pm – 1:30 pm.
ELECTRONIC POSTERS
The electronic posters are available for viewing from your own personal device. There will also be a bank of computers available for viewing in the foyer beginning the morning of Wednesday, May 16th. From there on, the computers will be available during meeting hours. Potential award winning scientific and educational posters will be displayed in the foyer outside of the Broadway Ballroom. The scientific posters will also be presented during the breaks beginning Tuesday afternoon. Review the posters and stop by to meet with the authors and listen to their work.

COMMERCIAL EXHIBITS
Many sponsoring companies and book vendors are hosting exhibits at this year’s meeting. Exhibits will open starting with breakfast on Wednesday, May 16th, and will then be open for all continental breakfasts and coffee breaks through Friday, May 18th. The exhibits will be in the Grand Ballroom G-K. Please stop by to thank the representatives for their support and to learn about their latest products and services.

INTERNET ACCESS
Internet access will be available throughout the meeting space. To access high speed internet please use the below credentials:
Network Name: OmniMeeting
Username: nashville 2018
Password: nashville2018
*Please note: Password is case sensitive. If you do not arrive at the splash page, you may have your company intranet page set as your homepage, enter a different website, such as, www.google.com into the browser and the splash page should appear. If you require further assistance, please dial 615-585-1462.

SPEAKER READY ROOM
All presenters should visit the Speaker Ready Room at least one (1) day prior to presentation in order to drop off or review a presentation. The Speaker Ready Room is located in room, Mockingbird 1, and will be open per the following schedule:

Monday, May 14th - 2:00 p.m.-5:00 p.m.
Tuesday, May 15th - 7:00 a.m.-5:30 p.m.
Wednesday, May 16th - 6:00 a.m.-6:00 p.m.
Thursday, May 17th - 6:00 a.m.-6:00 p.m.
Friday, May 18th - 6:00 a.m.-5:00 p.m.
Saturday, May 19th - 7:00 a.m.-10:00 a.m.
SPECIAL EVENTS

SPR Research and Education Foundation Fun Run
*Underwritten by Texas Children’s Hospital*

**Wednesday, May 16, 2018**

6:00 a.m.

Join us for a three-mile run through Downtown Nashville and get your day off to a great start! Runners and walkers are all welcome. Entrance fee is $25 and includes a T-shirt. Runners/walkers should meet in the Hotel lobby at 5:45 a.m.

*Welcome Reception*

**Wednesday, May 16, 2018**

7:00 – 8:15 p.m.

Omni Nashville Hotel

Hors d’oeuvres and Refreshments

Business Casual Attire

*Reception and Banquet*

**Friday, May 18, 2018**

7:00 – 10:30 p.m.

Omni Nashville Hotel

Reception, Dinner and Dancing

Business Casual Attire
2018 61st SPR Annual Meeting & Postgraduate Course
“Value-added Pediatric Radiology”

May 15 – May 19, 2018

7:00 AM 8:00 AM Continental Breakfast
7:00 AM 5:30 PM Registration
8:00 AM 5:00 PM SPR Online Cases of the Day Activity
8:00 AM 8:20 AM General Postgraduate Course Welcome – Broadway Ballroom E-F
8:00 AM 8:20 AM Body Imaging Postgraduate Course Welcome – Broadway Ballroom A-D

8:20 AM 10:00 AM General Postgraduate Course: Neuroradiology (SAM Session) – Broadway Ballroom E-F
Janet R. Reid, MD, FRCPC, Moderator
8:20-8:45 a.m. Newborn Hypoxic Ischemic Injury
Hisham M. Dahmoush, MBCh, FRCP, FRCR
Alexis B. R. Maddocks, MD
8:45-9:05 a.m. Imaging of Sinusitis/Mastoiditis and Complications
Jill V. Hunter, MBBS
Sumit Pruthi, MD
9:05-9:35 a.m. Imaging of Spinal Trauma
Karuna V. Shekdar, MD
Judith Gadde, DO
9:35-10:00 a.m. TORCH and Zika CNS Infections
Dorothy I. Bulas, MD, FACP, FAAP
Jason N. Wright, MD

8:20 AM 10:00 AM Body Imaging Postgraduate Course: Liver Imaging (SAM Session) – Broadway Ballroom A-D
Jonathan R. Dillman, MD, MSc, Moderator
8:20-8:45 a.m. Liver Masses – PRETEXT Staging
Alexander J. Towbin, MD
Judy H. Squires, MD

COLOR KEY

Scientific Session
General Session
General Postgraduate Course
Sunrise/Midday Session
Body Imaging Postgraduate Course
Technologist Program
Tuesday

May 15

8:45-9:05 a.m. Budd-Chiari/Veno-Occlusive Disease
M. Beth McCarville, MD
Martha M. Munden, MD

9:05-9:35 a.m. Iron and Fat Deposition
Shreyas S. Vasanawala, MD, PhD
Robert C. Orth, MD, PhD

9:35-10:00 a.m. Transplant Complications – US/Doppler (Early and Late)
Rama S. Ayyala, MD
Michael R. Acord, MD

10:00 AM 10:20 AM Break

10:20 AM 12:00 PM General Postgraduate Course: Musculoskeletal (SAM Session) – Broadway Ballroom E-F
Jonathan R. Dillman, MD, MSc, Moderator

10:20-10:45 a.m. Adolescent Hip Imaging
Sarah D. Bixby, MD
Nancy A. Chauvin, MD

10:45-11:10 a.m. Imaging of Knee Cartilage
Matthew R. Hammer, MD
Jerry R. Dwek, MD

11:10-11:35 a.m. Ultrasound of Painful Joints
Andrew M. Zbojniewicz, MD
Mahesh M. Thapa, MD

11:35-12:00 p.m. Throwing Adolescent Athlete
Arthur B. Meyers, MD
Victor M. Ho-Fung, MD

10:20 AM 12:00 PM Body Imaging Postgraduate Course: Pancreatobiliary (SAM Session) – Broadway Ballroom A-D
Janet R. Reid, MD, FRCPC, Moderator

10:20-10:45 a.m. Neonatal Cholestasis
Sara M. O’Hara MD
Janet R. Reid, MD, FRCPC

10:45-11:10 a.m. Acute Recurrent and Chronic Pancreatitis
Sudha A. Anupindi, MD
Andrew T. Trout, MD

11:10-11:35 a.m. Pancreatic Trauma
Michael Aquino, MD
Michael J. Callahan, MD

11:35-12:00 p.m. Evaluation of Pediatric CBD Dilation
Sudha A. Anupindi, MD
Ruth Lim, MD

COLOR KEY

Scientific Session
General Session
General Postgraduate Course
Sunrise/Midday Session
Body Imaging Postgraduate Course
Technologist Program

The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course
12:00 PM 1:30 PM Lunch On Your Own

12:00 PM 1:30 PM jSPR Luncheon (pre-registration required)
Cumberland 1&2

1:30 PM 3:10 PM General Postgraduate Course: Fetal (SAM Session)—Broadway Ballroom E-F
Janet R. Reid, MD, FRCP, Moderator

1:30-1:55 p.m. Myelomeningocele Imaging
Deborah Zarnow, MD
Davis M. Mirsky, MD

1:55-2:20 p.m. Fetal Neck Masses
Beth M. Kline-Fath, MD
Christopher I. Cassady, MD, FAAP

2:20-2:45 p.m. Congenital Diaphragmatic Hernia Update
Teresa Victoria, MD, PhD
Erika Rubesova, MD

2:45-3:10 p.m. Placental Imaging
Brandon P. Brown, MD
Maria F. Ladino-Torres, MD

1:30 PM 3:10 PM Body Imaging Postgraduate Course: Vascular (SAM Session) – Broadway Ballroom A-D
Jonathan R. Dillman, MD, MSc, Moderator

1:30-1:55 p.m. Vasculitis, Including Vessel Wall Imaging
Geetika Khanna, MD, MS
Eric J. Crotty, MD

1:55-2:20 p.m. Imaging of Vasculopathy/Aortopathy
Prakash M. Masand, MD
Eric J. Crotty, MD

2:20-2:45 p.m. Venography in the Post-Ablavar Era
Cynthia K. Rigsby, MD, FACR
Arnold Carl Merrow, MD

2:45-3:10 p.m. Lymphatic MR Imaging
David M. Biko, MD
Rajesh Krishnamurthy, MD

3:10 PM 3:30 PM Break

3:30 PM 5:10 PM General Postgraduate Course: Patient Safety & Technique (SAM Session) – Broadway Ballroom E-F
Jonathan R. Dillman, MD, MSc, Moderator

3:30-3:45 p.m. Post-Contrast Acute Kidney Disorder
Matthew S. Davenport, MD
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 3:45-4:00 p.m. | **Gadolinium Update**  
Daniel J. Podberesky, MD |
| 4:00-4:15 p.m. | **Sedation/Anesthesia Update**  
Joshua Nickerson, MD |
| 4:15-4:30 p.m. | **What kVp Should I Use?**  
Samuel L. Brady, MS, PhD |
| 4:30-4:45 p.m. | **Contrast Reaction Management**  
Jonathan R. Dillman, MD, MSc |
| 4:45-5:00 p.m. | **MRI Device Safety Update**  
Suraj D. Serai, PhD |
| 5:00-5:10 p.m. | **Q&A** |

### 3:30 PM – 5:10 PM  
**Body Imaging Postgraduate Course:**  
**Gastrointestinal Radiology (SAM Session) – Broadway Ballroom A-D**  
**Janet R. Reid, MD, FRCPC, Moderator**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 3:30-3:55 p.m. | **Perineal/Perianal Crohn’s Disease**  
Govind B. Chavhan, MD  
Ethan A. Smith, MD |
| 3:55-4:20 p.m. | **Crohn’s Disease Standardized Nomenclature/Reporting**  
Kassa Darge, MD, PhD  
Michael S. Gee, MD, PhD |
| 4:20-4:45 p.m. | **Median Arcuate Ligament Syndrome**  
James S. Donaldson, MD, FACR  
Seng H. Ong, MBBS |
| 4:45-5:10 p.m. | **Small Bowel Tumors**  
Jesse Courtier, MD  
Ellen M. Chung, MD |

### 5:15 – 5:45 p.m.  
**ACR Pediatric Rapid Response Committee Ceremony & Reception – Cumberland 1&2**

### 5:10 PM  
**Adjourn**
6:00 AM  SPR REF Fun Run

7:00 AM  8:00 AM  Continental Breakfast & Exhibits

7:00 AM  5:45 PM  Registration

7:00 AM  7:45 AM  Siemens Breakfast (Non-CME Session) – Broadway Ballroom A-D
Pediatric Dual Energy
Marilyn J. Siegel, MD

8:00 AM  5:00 PM  SPR Online Cases of the Day Activity

8:00 AM  9:40 AM  General Postgraduate Course: Radiation Dose Monitoring – Watching Ourselves as We Watch Our Kids Part I – Broadway Ballroom E-F
Donald P. Frush, MD, FACR, Moderator

8:00 AM  8:15 a.m.  Into Oz: Follow the Yellow Brick Rad
Donald P. Frush, MD, FACR

8:15-8:55 a.m.  ABCs of Dose Metrics for Dose Monitoring
Samuel L. Brady, MD, PhD
Keith J. Strauss, MSc, FACR

8:55-9:25 a.m.  A Walk Through the Market
Sarah McKenney, PhD, DABR

9:25-9:40 a.m.  Dose Metrics in the Patient Report: Myopic or Foresighted?
Beverley Newman, MD, FACR

8:00 AM  9:40 AM  Body Imaging Postgraduate Course: Chest (SAM Session) – Broadway Ballroom A-D
Jonathan R. Dillman, MD, MSc, Moderator

8:00 AM  8:25 a.m.  Congenital Lung Lesions
Andrew Schapiro, MD
Maryam Ghadimi Mahani, MD

8:25-8:50 a.m.  Dynamic Airway Imaging (Non-Sleep Apnea)
Edward Y. Lee, MD, MPH
Robert J. Fleck, MD

8:50-9:15 a.m.  Ultrasound of the Lung and Pleura
Harriet J. Paltiel, MD
Monica Epelman, MD

9:15-9:40 a.m.  Childhood Interstitial Lung Disease
R. Paul Guillerman, MD
David A. Mong, MD

9:40 AM  10:10 AM  Break & Exhibits

COLOR KEY

# Scientific Session
# General Session
# General Postgraduate Course
# Sunrise/Midday Session
# Body Imaging Postgraduate Course
# Technologist Program

The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course
10:10 AM  11:50 AM  General Postgraduate Course: Radiation Dose Monitoring – Watching Ourselves as We Watch Our Kids Part II – Broadway Ballroom E-F
Donald P. Frush, MD, FACR, Moderator

10:10-10:50 a.m.  Navigating Dose Monitoring: Panel Discussion
Panelists:
Donald P. Frush, MD, FACR
R. Paul Guillermann, MD
Ehsan Samei, PhD, DABR, FAAPM, FSPIE
Keith J. Strauss, MSc, FACR
Beverley Newman, MD, FACR
Samuel L. Brady, MS, PhD
Sarah McKenney, PhD, DABR

10:50-11:20 a.m.  Into the Mist? Future Opportunities and Challenges
R. Paul Guillerman, MD
Ehsan Samei, PhD, DABR, FAAPM, FSPIE

11:20-11:50 a.m.  Concluding Statements and Audience Q&A

10:10 AM  11:50 AM  Body Imaging Postgraduate Course: Neonatal (SAM Session) – Broadway Ballroom A-D
Jonathan R. Dillman, MD, MSc and Janet R. Reid, MD, FRCP, Moderators

10:10-10:35 a.m.  High Intestinal Obstruction
Boaz Karmazyn, MD
David A. Bloom, MD, FACR

10:35-11:00 a.m.  Newborn Low Intestinal Obstruction
Laura Z. Fenton, MD
S. Pinar Karakas, MD

11:00-11:25 a.m.  Newborn Lines and Tubes – Normal and Abnormal
Pallavi Sagar, MD
David Saul, MD

11:25-11:50 a.m.  Anorectal Malformations
Steven J. Kraus, MD, MS, FAAP
D. Gregory Bates, MD

11:50 AM  1:20 PM  Lunch on Your Own

11:50 AM  1:20 PM  3D Read with the Experts (Non-CME Session) – Cumberland 3 & 4
Moderators: Dianna M. E. Bardo, MD, FSCCT, FNASCI and Mark R. Ferguson, MD
Speaker: Sherwin S. Chan, MD
Experts: Luis Goncalves, MD, Eric Hoggard, MD and Prakash M. Masand, MD
11:50 AM  1:20 PM  **MR Protocol Session (Non-CME Session)** –
*Cumberland 1 & 2*
Shreyas S. Vasanaewala, MD, PhD, Michael S. Gee, MD, PhD and Taylor Chung, MD, Moderators
Topic 1: Update on last year's topics
Topic 2: Coils – Scanner vendor options, 3rd party options and beyond
Topic 3: Acoustic Noise – Options and Tradeoffs

**ANNUAL MEETING**

1:20 PM  1:30 PM  **Annual Meeting Welcome & Dedication** –
*Broadway Ballroom E-F*
Peter J. Strouse, MD, FACR

1:30 PM  2:00 PM  **The Power of Diversity: Meeting Today's (and Tomorrow’s) Greatest Healthcare Challenges** –
*Broadway Ballroom E-F*
Stephanie E. Spottswood, MD, MSPH

2:05 PM  3:05 PM  **Edward B. Neuhauser Lecture** –
*Broadway Ballroom E-F*
Curious Bones: Sustaining Discovery in the Face of Doubt
Paul K. Kleinman, MD, FAAP

3:15 PM  4:15 PM  **Pediatric Radiology Jeopardy** –
*Broadway Ballroom E-F*
George S. Bisset, Ill, MD, FACR, Host

**Team E:**
Josée Dubois, MD
Tal Laor, MD
Cynthia K. Rigsby, MD, FACR
Nancy K. Rollins, MD

**Team T:**
Ashok Panigrahy, MD
Daniel J. Podberesky, MD
Stephen F. Simoneaux, MD
Andrew T. Trout, MD

4:15 PM  4:45 PM  **Break & Exhibits**
4:45 PM  5:45 PM  **Scientific Session I-A: Gastrointestinal Radiology** – *Broadway Ballroom E-F*

*Jonathan R. Dillman, MD, MSc*

*and Mary-Louise Greer, MBBS, Moderators*

- **P001**  4:45  4:55  Rees, Mitchell
  - Inter-radiologist Agreement Using Society of Abdominal Radiology-Society for Pediatric Radiology-American Gastroenterological Association Consensus Nomenclature for Reporting CT and MR Enterography in Pediatric Small Bowel Crohn Disease

- **P002**  4:55  5:05  Karpewycz, John
  - Accuracy of Magnetic Resonance Enterography in the Assessment of Pediatric Inflammatory Bowel Disease of the Colon in Patients Undergoing Colectomy

- **P003**  5:05  5:15  Gottumukkala, Ravi
  - Comparison of Three Oral Contrast Preparations for Magnetic Resonance Enterography in Pediatric Crohn's Disease Patients: A Randomized Trial

- **P004**  5:15  5:25  Dillman, Jonathan
  - Breeza vs. VoLumen for Pediatric CT and MR Enterography: a Prospective, Randomized, Blinded Patient Acceptability Study

- **P005**  5:25  5:35  Choi, Jungwhan
  - Use of Small Bowel Ultrasound to Predict Response to Infliximab Induction

- **P006**  5:35  5:45  Gokli, Ami
  - Contrast Enhanced Ultrasound of the Bowel in Children with Suspected Inflammatory Bowel Disease (IBD).

4:45 PM  5:45 PM  **Scientific Session I-B: Musculoskeletal Imaging** – *Broadway Ballroom A-D*

*Lauren W. Averill, MD and Sarah D. Bixby, MD, Moderators*

- **P007**  4:45  4:55  Meyers, Arthur B.
  - Inter-reader Reliability Study of a New MRI Scoring System for TMJ Evaluation in JIA with the Use of Measurement Aids: Special Interest Group from the MRI in JIA in OMERACT

- **P008**  4:55  5:05  Ditzler, Matthew
  - Modified Friedman Technique: A New Proposed Method of Measuring Glenoid Version in the Setting of Glenohumeral Dysplasia
Wednesday May 16

4:45 PM  5:45 PM  **Scientific Session I-C: Interventional Radiology – Cumberland 1 & 2**  
John M. Racadio, MD and Leah E. Braswell, MD, Moderators

P013  4:45  4:55  Robinson, Amie  The Utility of Percutaneous Image Guided Tumor Ablation in the Treatment of Solid and Vascular Tumors in the Pediatric Population

P014  4:55  5:05  Roebuck, Derek  Cryoablation of benign soft tissue lesions in children: initial experience

P015  5:05  5:15  Srinivasan, Abhay  A combined retrospective and prospective single-institution review of image-guided needle biopsy of relapsed or refractory neuroblastoma with a focus on the use of pre-biopsy MIBG imaging to predict tumor characteristics

P016  5:15  5:25  Srinivasan, Abhay  Comparison of MR guided joint injection with a fluoroscopic approach for pediatric MR arthrography

P017  5:25  5:35  Acord, Michael  Surveillance Cerebral Angiography in Children with Arteriovenous Malformations: How many vessels should be interrogated?

P018  5:35  5:45  Bhavane, Rohan  A novel approach to deep tissue intra-operative imaging using indocyanine green fluorescence

5:45 PM  **Adjourn**

5:50 PM  7:00 PM  **Awards Ceremony – Broadway Ballroom E-F**

7:00 PM  8:15 PM  **Welcome Reception – Broadway Ballroom Foyer**
6:30 AM – 8:30 AM  Continental Breakfast & Exhibits
6:30 AM – 5:30 PM  Registration
8:00 AM – 5:00 PM  SPR Online Cases of the Day Activity

7:00 AM – 8:20 AM  Sunrise Workshop – Evidence for Child Abuse Fractures – Broadway Ballroom E-F
  Jeannette M. Perez-Rossello, MD, Moderator
  7:00-7:20 a.m.  Evidence Base for Fractures in Child Abuse
    Megan B. Marine, MD
  7:20-7:40 a.m.  Differential Diagnosis for Findings on Skeletal Survey vs. Child Abuse
    Jeannie K. Kwon, MD
  7:40-7:50 a.m.  Entities Provided in Defense Cases (Rickets & Ehlers Danlos)
    Daniel M. Schwartz, MD
  7:50-8:20 a.m.  Using the Literature to Assess What is Child Abuse or Not
    Jeannette M. Perez-Rossello, MD

7:00 AM – 8:20 AM  Sunrise Workshop – Cardiac CT – Broadway Ballroom A-D
  Prakash M. Masand, MD and Lorna P. Browne, MBBS, Moderators
  7:00-7:02 a.m.  Introduction & Overview
  7:02-7:15 a.m.  Cardiac CT Techniques in Neonates
    Siddarth P. Jadhav, MD
  7:15-7:28 a.m.  Common Indications for Cardiac CT in Neonates and Infants
    Ladonna J. Malone, MD
  7:28-7:41 a.m.  Coronary CT in Neonates and Infants: How I Do It?
    Prakash M. Masand, MD
  7:41-7:54 a.m.  Interpreting Heterotaxy in Neonates and Infants
    Andrada R. Popescu, MD
  7:54-8:07 a.m.  Vascular Rings and Slings in Infants
    Mark R. Ferguson, MD
  8:07-8:20 a.m.  Craziest Cases
    Lorna P. Browne, MBBS

COLOR KEY

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Location</th>
<th>Moderators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scientific Session</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Postgraduate Course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Body Imaging Postgraduate Course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Session</td>
<td>Sunrise/Midday Session</td>
<td></td>
</tr>
<tr>
<td>Technologist Program</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course
7:00 AM – 8:20 AM  
**Sunrise Workshop – Evolving Practice Models: Future/Present**  
*– Cumberland 1 & 2*  
Richard E. Heller, III, MD, MBA, Moderator

7:00-7:20 a.m.  
**Changing Reimbursement Systems in (Pediatric) Radiology: Value-Based Payment Reform**  
Richard E. Heller, III, MD, MBA

7:20-7:40 a.m.  
**Health Care Now…Results of the 2017 Annual Trust Survey**  
Brandon Edwards, CEO, ReviveHealth

7:40-8:00 a.m.  
**The Children's Hospital as Part of a Large Private Practice**  
Peter G. Kruk, MD

8:00-8:20 a.m.  
**The Pediatric Radiologist in the General Private Practice**  
Kimberly A. Garver, MD

7:00 AM – 8:20 AM  
**Sunrise Workshop – MR Techniques for Imaging Children**  
*– Cumberland 3 & 4*  
Michael S. Gee, MD, PhD and Jesse Courtier, MD, Moderators

7:00-7:15 a.m.  
**Non-scanner Related Techniques for MR Imaging of Awake Children**  
Michael S. Gee, MD, PhD

7:15-7:30 a.m.  
**Essential Neuroradiology Sequences for Evaluating Children**  
Mai-Lan Ho, MD

7:30-7:45 a.m.  
**Essential Body Sequences for Evaluation of Children**  
Jesse Courtier, MD

7:45-8:00 a.m.  
**Considerations for Pediatric MSK Imaging**  
Delma Y. Jarrett, MD

8:00-8:10 a.m.  
**Cardiac and Vascular MR Imaging: Tips and Tricks**  
Sherwin S. Chan, MD

8:10-8:20 a.m.  
**MR Protocols in the Pediatric ER**  
Unmi K. Udayasankar, MD

7:00 AM – 8:20 AM  
**Sunrise Workshop – Update on Contrast Media: New Agents, New Concerns and Strategies for Safe Use**  
*– Cumberland 5 & 6*  
R. Paul Guillerman, MD, Moderator

7:00-7:20 a.m.  
**Strategies for Optimizing Enteric Contrast for Fluoroscopy, CT and MRI**  
Michael J. Callahan, MD
### Scientific Session

**General Session**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:20-7:40 a.m.</td>
<td>Approach to Imaging Patients with Renal Impairment or Heightened Risk of Adverse Contrast Reaction</td>
<td>Matthew S. Davenport, MD</td>
</tr>
<tr>
<td>7:40-8:00 a.m.</td>
<td>Safety Considerations for Ultrasound Contrast Agents</td>
<td>Kassa Darge, MD, PhD</td>
</tr>
<tr>
<td>8:00-8:20 a.m.</td>
<td>Gadolinium-Based Contrast Agents: Time to Image Gently?</td>
<td>R. Paul Guillerman, MD</td>
</tr>
</tbody>
</table>

**Scientific Session General Postgraduate Course**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM 8:20 AM</td>
<td>Sunrise Workshop – Pediatric Nuclear Medicine: Learn to Read Like an Expert – Mockingbird 2</td>
<td>Marguerite T. Parisi, MD, MS, Moderator</td>
</tr>
<tr>
<td>7:00-7:15 a.m.</td>
<td>CNS Imaging in Nuclear Medicine</td>
<td>Adina L. Alazraki, MD, FAAP</td>
</tr>
<tr>
<td>7:15-7:30 a.m.</td>
<td>Australian Perspectives on Nuclear Renography</td>
<td>Monica A. Rossleigh, MD</td>
</tr>
<tr>
<td>7:30-7:45 a.m.</td>
<td>Musculoskeletal Scintigraphy</td>
<td>Susan E. Sharp, MD</td>
</tr>
<tr>
<td>7:45-8:00 a.m.</td>
<td>Gastrointestinal Scintigraphy</td>
<td>Marguerite T. Parisi, MD, MS</td>
</tr>
<tr>
<td>8:00-8:20 a.m.</td>
<td>Challenging Cases in NM Oncologic Imaging</td>
<td>Marguerite T. Parisi, MD, MS</td>
</tr>
</tbody>
</table>

**Scientific Session II-A: Neuroradiology – Broadway Ballroom E-F**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30-8:50 a.m.</td>
<td>Challenges in Pediatric Obstructive Sleep Apnea</td>
<td>Amy Whigham, MD</td>
</tr>
</tbody>
</table>

**P019** 8:50 9:00 Cancelled

**P020** 9:00 9:10 Mata-Mbemba, Daddy

**P021** 9:10 9:20 Sabin, Noah

**P022** 9:20 9:30 Angel, Jacqueline

---

**COLOR KEY**

<table>
<thead>
<tr>
<th>Session</th>
<th>Color Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scientific Session</td>
<td>Green</td>
</tr>
<tr>
<td>General Postgraduate Course</td>
<td>Blue</td>
</tr>
<tr>
<td>Body Imaging Postgraduate Course</td>
<td>Orange</td>
</tr>
<tr>
<td>General Session</td>
<td>Red</td>
</tr>
<tr>
<td>Sunrise/Midday Session</td>
<td>Pink</td>
</tr>
<tr>
<td>Technologist Program</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

---

*The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course*
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Institution</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:50</td>
<td>P027</td>
<td>Pomeranz, Christy</td>
<td>Accuracy of Skeletal Survey in Evaluation of Rib Fractures Compared to CT in the Setting of Accidental and Non Accidental Trauma.</td>
</tr>
<tr>
<td>9:00</td>
<td>P028</td>
<td>Tsai, Andy</td>
<td>How Often is Subperiosteal New Bone Formation Noted with the Distal Tibial Classic Metaphyseal Lesion?</td>
</tr>
<tr>
<td>9:10</td>
<td>P029</td>
<td>Kriss, Spencer</td>
<td>Radiographic characteristics that delineate abusive from accidental skull fractures, including the significance of fracture extension to sutures.</td>
</tr>
<tr>
<td>9:20</td>
<td>P030</td>
<td>Starosolski, Zbigniew</td>
<td>Gaussian noise simulating reduced X-ray dose does not affect sensitivity of a Neural Network trained to detect tibial fractures in X-ray images</td>
</tr>
<tr>
<td>9:30</td>
<td>P031</td>
<td>Starosolski, Zbigniew</td>
<td>Toddler tibial fractures computer-aided diagnosis by convolutional neural network and transfer learning</td>
</tr>
<tr>
<td>9:40</td>
<td>P032</td>
<td>Alsharief, Alaa</td>
<td>Can combined diffusion-weighted imaging/ conventional MRI replace post gadolinium-based contrast-enhanced MRI in the assessment of pediatric osseous sarcomas?</td>
</tr>
</tbody>
</table>

**COLOR KEY**

- **Scientific Session**
- **General Postgraduate Course**
- **Body Imaging Postgraduate Course**
- **General Session**
- **Sunrise/Midday Session**
- **Technologist Program**
P033 9:50 10:00  Ecklund, Kirsten  Bone Marrow MR and MRS Evidence of Adrenal and Gonadal Hormone Replacement Therapy Efficacy in girls with Anorexia Nervosa

P034 10:00 10:10  Eutsler, Eric  Metal artifact reduction in pediatric dual energy CT using monenergetic extrapolation

8:30 AM 10:10 AM  Scientific Session II-C: Thoracic Imaging – Cumberland 1 & 2
David M. Biko, MD and Beverley Newman, MD, Moderators
8:30-8:50 a.m.  Childhood Interstitial Lung Disease
Lisa Young, MD

P035 8:50 9:00  Ma, Grace  Comparison of Prenatal Ultrasound, Prenatal MRI, and Postnatal CTA for Evaluation of Congenital Lung Malformations: Can Postnatal CTA Provide Additional Information?

P036 9:00 9:10  Biko, David  Magnetic Resonance Imaging of Central Lymphatics in Noonan’s Syndrome

P037 9:10 9:20  Handly, Brian  Initial Clinical Evaluation of Stationary Digital Chest Tomosynthesis in Patients with Cystic Fibrosis


P039 9:30 9:40  Krishnamurthy, Rajesh  Target mode prospective EKG gated volumetric CT reduces the need for sedation for chest CT in young children

P040 9:40 9:50  Averill, Lauren  Tracheal Narrowing in Children and Young Adults with Mucopolysaccharidosis IVA: Evaluation with CT Angiography

P041 9:50 10:00  May, Lauren  A Novel Approach Using Volumetric Dynamic Airway CT to Determine Optimal Positive End Expiratory Pressure (PEEP) Settings in Neonates Requiring Long-Term Ventilator Support

P042 10:00 10:10  Rozovsky, Katya  Imaging patterns in pediatric pulmonary blastomycosis
8:30 AM – 10:10 AM  
**Technologist Opening Session – Cumberland 5 & 6**  
Laura Gruber, MBA, RT(R), RDMS, RVT, Moderator

8:30-9:00 a.m.  
**Ice Breaker**  
Laura Gruber, MBA, RT(R), RDMS, RVT

9:00-9:30 a.m.  
**Recruiting Talent – Career Models**  
Merima Karastanovic, MS, RT(R)(MR)

9:30-10:10 a.m.  
**Generational Differences in the Workplace**  
Melissa Goehner, BA RT(R)(CT)

10:10 AM – 10:40 AM  
**Break & Exhibits**

10:40 AM – 12:00 PM  
**Midday Workshop – Evidence Base for Abusive Head Trauma – Broadway Ballroom E-F**  
Arabinda K. Choudhary, MBBS, FACHE, MBA, Moderator

10:40-11:00 a.m.  
**Evidence Base for Abusive Head Trauma**  
Laura L. Hayes, MD

11:00-11:20 a.m.  
**Evidence Base for Spine Trauma**  
Arabinda K. Choudhary, MBBS, FACHE, MBA

11:20-11:40 a.m.  
**Abusive Head Trauma: Diagnostic Challenges**  
Gary L. Hedlund, DO

11:40-12:00 p.m.  
**Addressing Issues**  
Arabinda K. Choudhary, MBBS, FACHE, MBA

10:40 AM – 12:00 PM  
**Midday Workshop – IRLite – Unleaded and Photon Free! – Mockingbird 2**  
Eric J. Monroe, MD, Moderator

10:40-11:00 a.m.  
**Mobile Strike: Lean Lessons Learned from a Sprawling Service**  
Eric J. Monroe, MD

11:00-11:15 a.m.  
**Ultrasound-guided Tunneled Line Placement**  
C. Matthew Hawkins, MD

11:15-11:30 a.m.  
**Ultrasound-guided Lumbar Punctures**  
Anne Gill, MD

11:30-11:45 a.m.  
**Ultrasound-guided Drainage Procedures**  
Sheryl A. Tulin-Silver, MD

11:45-12:00 p.m.  
**Ultrasound-guided MSK Procedures: Beyond the Big Joints**  
Jeffrey P. Otjen, MD
Thursday

10:40 AM 12:00 PM  
**Midday Workshop – Novel Use of Musculoskeletal Ultrasound – Broadway Ballroom A-D**

*Monica Epelman, MD, and Mahesh Thapa, MD, Moderators*

10:40-10:50 a.m. **Role of Ultrasound in the Evaluation of Musculoskeletal Neoplasms**

Diego Jaramillo, MD, MPH

10:50-11:00 a.m. **Ultrasound Evaluation of Magnetic Growing Roots**

Arthur B. Meyers, MD

11:00-11:10 a.m. **Ultrasound of the Joints in Pediatric Sport Injuries**

Nancy A. Chauvin, MD

11:10-11:20 a.m. **Ultrasound Imaging of Vascular Anomalies: Pearls and Pitfalls**

Oscar M. Navarro, MD

11:20-11:30 a.m. **Ultrasound Imaging of Brachial Plexus Injuries**

Ramesh S. Iyer, MD

11:30-11:40 a.m. **Stress Sonography of the Ulnar Collateral Ligament in Baseball Pitchers**

Lauren W. Averill, MD

11:40-11:50 a.m. **Ultrasound Imaging of Carpal Tunnel Syndrome**

Mahesh M. Thapa, MD

11:50-12:00 p.m. **Panel/Audience Discussion - Question & Answers**

10:40 AM 12:00 PM  
**Midday Workshop – Thoracic Imaging – Cumberland 5 & 6**

*Robert J. Fleck, MD, Moderator*

10:40-10:55 a.m. **Diffuse Lung Disease in the Infant**

Jason Weinman, MD

10:55-11:10 a.m. **Strategies for Optimizing Thoracic CT and MRI in Children**

Sarah Desoky, MD

11:10-11:25 a.m. **Noninfectious Complications of Stem Cell Transplant**

Matthew Cooper, MD

11:25-11:45 a.m. **Innovated Imaging of the Pediatric Airway**

Robert J. Fleck, MD

11:45-12:00 p.m. **Interesting/Challenge Cases in Chest Imaging**

Maryam Ghadimi Mahani, MD

**COLOR KEY**

<table>
<thead>
<tr>
<th>Scientific Session</th>
<th>General Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Postgraduate Course</td>
<td>Sunrise/Midday Session</td>
</tr>
<tr>
<td>Body Imaging Postgraduate Course</td>
<td>Technologist Program</td>
</tr>
</tbody>
</table>
Thursday

10:40 AM 12:00 PM  Midday Workshop – Professionalism –
Cumberland 1 & 2
Brandon P. Brown, MD, MA, Moderator

10:40-11:00 a.m. The Value of Mentorship in Professionalism
Richard B. Gunderman MD, PhD

11:00-11:20 a.m. Communication and the Pediatric Radiologist
Sarah S. Milla, MD, FAAP

11:20-11:40 a.m. Imaging 3.0: Building a Culture of Professionalism
Brandon P. Brown, MD, MA

11:40-12:00 p.m. Discussion questions and Q/A Panel

10:40 AM 12:00 PM  Midday Workshop – World Federation of Pediatric Imaging (WFPI) – Updates in Outreach –
Cumberland 3 & 4
Dorothy I. Bulas, MD, FACR, FAAP and Cicero T. Silva, MD, Moderators

10:40-10:45 a.m. Introductions and Overview

10:45-11:00 a.m. World TB Day Summit Update
Bernard F. Laya, DO

11:00-11:15 a.m. Facilitating a Radiology Curriculum in Haiti Using Tablet PCs: Progress and Challenges
Jennifer L. Nicholas, MD

11:15-11:30 a.m. POCUS Updates - A Key to Radiology Outreach
Kara-Lee Pool, MD

11:30-11:40 a.m. WFPI Project - Pediatric MRI Protocols for Low Resource Settings
Michael S. Gee, MD, PhD

11:40-11:55 a.m. Outreach Experiences - Issues to Consider
Panelists: Veronica J. Rooks, MD & Ramdas Senasi, MBBS

11:55-12:00 p.m. Questions and Answers

12:00 PM 1:30 PM  Lunch On Your Own

12:00 PM 1:30 PM  CT Protocol Session: State of the Art in CT: Let’s Cut to the Chase! (Non-CME Session) –
Cumberland 3 & 4
Michael J. Callahan, MD, and Prakash M. Masand, MD, Moderators

12:05-12:13 p.m. “Post-64” Era in CT Scanning with Emphasis on Faster Acquisition Techniques
Robert MacDougall, MSc
12:13-12:21 p.m.  Fast Pitch Pediatric Head CT: “Mission Impossible?”
Christina Dodge, MS

12:21-12:29 p.m.  Dynamic CT of the Pediatric Airway: “Take My Breath Away”
Abbey Winant, MD

12:29-12:37 p.m.  Pediatric CT Angiography: “Injection Perfection”
Karen Lyons, MD

12:37-12:45 p.m.  Pediatric CTA in the Acute Setting: “Practical Tips for Success”
Tushar Chandra, MD

12:45-12:53 p.m.  CT Imaging in Pediatric Oncology: Do I Sedate or Radiate?
Kara G. Gill, MD

12:53-1:01 p.m.  Dose Optimization for High Pitch Imaging: “Image Gently and Rapidly”
Grace S. Phillips, MD

1:01-1:09 p.m.  Dose Optimization by Individualization: Imaging Gently in Smaller Doses
Marta Hernanz-Schulman, MD, FACR

1:09-1:30 p.m.  Questions and Answers with Panel Discussion

12:00 PM  1:30 PM  SPR Research and Education Foundation
Symposium (Non-CME Session) –
Broadway Ballroom A-D

12:00-12:10 p.m.  Welcome and Introduction
Peter J. Strouse, MD, FACR and J. Damien Grattan-Smith, MBBS

12:10-12:20 p.m.  2016 Multi-Institute Pilot Award: Single Ventricle Reconstruction III: Brain Connectome and Neurodevelopmental Outcomes - Part II
Ashok Panigrahy, MD

12:20-12:25 p.m.  2016 Seed Grant: Study for the Detection of Gadolinium Deposition in Resected Bowel Specimens of Patients with Inflammatory Bowel Disease
Shannon G. Farmakis, MD

12:25-12:35 p.m.  2016 Education Project Grant: MOOC-based Repetitive Image Quizzes for Learning Concepts in Pediatric Radiology
Cara E. Morin, MD, PhD

12:35-12:45 p.m.  2016 Young Investigator: Accurate Assessment of Kidney Function through Motionrobust DCEM
Sila Kurugol, PhD, MS

COLOR KEY

Scientific Session
General Session
General Postgraduate Course
Sunrise/Midday Session
Body Imaging Postgraduate Course
Technologist Program

The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course
Thursday
May 17

12:45-1:30 p.m. REF Updates and Announcement of the 2018 Grant Recipients
J. Damien Grattan-Smith, MBBS

1:30 PM 3:30 PM Scientific Session III-A: Genitourinary Radiology – Broadway Ballroom E-F
Harriet J. Paltiel, MD and Monica Epelman, MD, Moderators
1:30-1:50 p.m. Pediatric Urologists: Why Can’t They Decide When They Want Imaging?
Stacy Tanaka, MD

P043 1:50 2:00 Stanescu, A. Luana Gadolinium bone tissue retention in pediatric patients after contrast-enhanced MR exams: pathologic confirmation.
P044 2:00 2:10 Tao, Ting Safety and efficacy of gadoterate meglumine in children <2 years of age
P045 2:10 2:20 Zucker, Evan Free-Breathing Ferumoxytol-Enhanced MRI for Preoperative Renal Transplant Vascular Mapping in Infants and Children
P046 2:20 2:30 Kurugol, Sila Feed and Wrap MRU
P047 2:30 2:40 Otero, Hansel Morphologic and Functional Evaluation of Duplicated Renal Collecting Systems with MR Urography: A Descriptive Analysis
P048 2:40 2:50 Acharya, Patricia Evaluation of the Urinary Tract Dilation Classification System for postnatal hydronephrosis in the prediction of clinical outcomes
P049 2:50 3:00 Back, Susan Preliminary experience with Contrast Enhanced Ultrasound (CEUS) of the Pediatric Kidney
P050 3:00 3:10 Chow, Jeanne Contrast enhanced ultrasound for the evaluation of complex anorectal and genitourinary anomalies
P051 3:10 3:20 Pai, Vinay Infant Female Urethral Catheterization: A New Simulator from Special Effects
P052 3:20 3:30 Dao, Kimberly Pediatric Ovarian Volumes Measured at Ultrasound After Contralateral Unilateral Oophorectomy

1:30 PM 3:30 PM Scientific Session III-B: Fetal/Neonatal Imaging – Broadway Ballroom A-D
Brandon P. Brown, MD and Erika Rubesova, MD, Moderators
1:30-1:50 p.m. Coordinating Pediatric Anesthesia Care
Jill Kilkelly, MD

COLOR KEY

Scientific Session
General Session
General Postgraduate Course
Sunrise/Midday Session
Body Imaging Postgraduate Course
Technologist Program

The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course
**Thursday May 17**

**Scientific Session General Session**

**General Postgraduate Course Sunrise/Midday Session**

**Body Imaging Postgraduate Course Technologist Program**

**COLOR KEY**

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Event</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>P053</td>
<td>1:50</td>
<td>Dong, Su-Zhen</td>
<td>Feasibility of fetal MRI in the evaluation of fetal cardiovascular anomalies.</td>
</tr>
<tr>
<td>P054</td>
<td>2:00</td>
<td>Dong, Su-Zhen</td>
<td>Fetal cardiac MRI in the evaluation of congenital aortic arch anomalies</td>
</tr>
<tr>
<td>P055</td>
<td>2:10</td>
<td>Oliver, Edward</td>
<td>Two’s Company – Multiple Thoracic Anomalies on Prenatal Ultrasound and MRI</td>
</tr>
<tr>
<td>P056</td>
<td>2:20</td>
<td>Wise, Rachel</td>
<td>A Multifactorial Severity Score for Congenital Diaphragmatic Hernia (CDH) using Fetal MRI</td>
</tr>
<tr>
<td>P057</td>
<td>2:30</td>
<td>Smithimedinhi, Anilawan</td>
<td>Normal size of the fetal adrenal gland on prenatal MR Imaging</td>
</tr>
<tr>
<td>P058</td>
<td>2:40</td>
<td>Didier, Ryne</td>
<td>Novel Computerized Analytic Technique for Quantification of Amniotic Fluid Volume in Fetal MRI</td>
</tr>
<tr>
<td>P059</td>
<td>2:50</td>
<td>Norris, Carrie</td>
<td>Using Quantitative MRI to Identify Abnormal Perfusion in Invasive Placental Disease</td>
</tr>
<tr>
<td>P060</td>
<td>3:00</td>
<td>Tsai, Andy</td>
<td>Congenital Skeletal Anomalies with Lower Limb-Length Discrepancy: Does Constant Inhibition Occur In Utero?</td>
</tr>
<tr>
<td>P061</td>
<td>3:10</td>
<td>Victoria, Teresa</td>
<td>Ultra-Low Dose Fetal CTL How to Further Decrease Radiation Dose While Maintaining Diagnostic Accuracy</td>
</tr>
<tr>
<td>P062</td>
<td>3:20</td>
<td>Deaver, Pamela</td>
<td>Perinatal imaging autopsy: Value and comparison with conventional autopsy</td>
</tr>
</tbody>
</table>

1:30 PM – 3:30 PM **Scientific Session III-C: Informatics, QI, Education & Healthcare Policy – Cumberland 1 & 2**

Richard E. Heller, III, MD, MBA and Ramesh S. Iyer, MD, Moderators

1:30-1:50 p.m. **Technologist Skill: Moving Excellence Using a Coaching Model**

David B. Larson, MD, MBA

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Event</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>P063</td>
<td>1:50</td>
<td>Snyder, Elizabeth</td>
<td>Gaging Potential Risk to Patients in Pediatric Radiology by Review of Over 2,000 Incident Reports</td>
</tr>
<tr>
<td>P064</td>
<td>2:00</td>
<td>Hingsbergen, Elizabeth</td>
<td>Identifying the primary cause of safety events and complaints in the routine operations of a pediatric radiology department</td>
</tr>
<tr>
<td>P065</td>
<td>2:10</td>
<td>Porterfield, Ronna</td>
<td>Analysis of Quick Hits at a Daily Readiness Huddle at a Large Free-Standing Children’s Hospital</td>
</tr>
</tbody>
</table>
**Thursday**

May 17

<table>
<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>P066</td>
<td>2:20</td>
<td>Iyer, Ramesh</td>
<td>Survey of Peer Review Programs Amongst Pediatric Radiologists: Report from the SPR Quality and Safety Committee</td>
</tr>
<tr>
<td>P068</td>
<td>2:40</td>
<td>Frush, Daniel</td>
<td>Utilization of computed tomography imaging in the pediatric emergency department</td>
</tr>
<tr>
<td>P069</td>
<td>2:50</td>
<td>Hagedorn, Kelly</td>
<td>Cost comparison of ultrasound versus MRI for adolescent female patients with suspected appendicitis using time-driven activity-based costing</td>
</tr>
<tr>
<td>P070</td>
<td>3:00</td>
<td>Aquino, Michael</td>
<td>Survey of after-hours radiology coverage in children’s hospitals.</td>
</tr>
<tr>
<td>P071</td>
<td>3:10</td>
<td>Ayyala, Rama</td>
<td>Evaluation of Stressors that Contribute to Burnout Amongst Pediatric Radiologists: A Survey of the Society for Pediatric Radiology</td>
</tr>
<tr>
<td>P072</td>
<td>3:20</td>
<td>Pfeifer, Cory</td>
<td>Assessing the Pediatric Radiology Job Market: Winter is Coming for Employers</td>
</tr>
</tbody>
</table>

1:30 PM – 3:30 PM **Technologist Session** – *Cumberland 5 & 6*

Laura Gruber, MBA, RT(R), RDMS, RVT, Moderator

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30-1:50 p.m.</td>
<td>Intussusception Reductions</td>
</tr>
<tr>
<td>Ciji N. Gilley, RT(R)</td>
<td></td>
</tr>
<tr>
<td>1:50-2:10 p.m.</td>
<td>MRE (Enterography)</td>
</tr>
<tr>
<td>Gina Roberts, ARRT (R)(CT)(MRI)</td>
<td></td>
</tr>
<tr>
<td>2:10-2:30 p.m.</td>
<td>Happy Spitter or Surgical Referral?: Sonographic Approach to the Vomiting Infant</td>
</tr>
<tr>
<td>Jason Hooper, BS, RDMS, RVT</td>
<td></td>
</tr>
<tr>
<td>2:30-2:50 p.m.</td>
<td>US Contrast</td>
</tr>
<tr>
<td>Trudy Morgan, RDMS</td>
<td></td>
</tr>
<tr>
<td>2:50-3:10 p.m.</td>
<td>Transplant US Imaging</td>
</tr>
<tr>
<td>Lacy Gandor, RDMS</td>
<td></td>
</tr>
<tr>
<td>3:10-3:30 p.m.</td>
<td>3D Post Processing and Printing</td>
</tr>
<tr>
<td>Gabe Linke, BSRT (R)(MR)</td>
<td></td>
</tr>
</tbody>
</table>

3:30 PM – 4:00 PM **Break & Exhibits**

---

**COLOR KEY**

- **Scientific Session**
- **General Postgraduate Course**
- **Body Imaging Postgraduate Course**
- **General Session**
- **Sunrise/Midday Session**
- **Technologist Program**

---

30 The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course
4:00 PM  5:30 PM  Scientific Session IV-A: Gastrointestinal Radiology – Broadway Ballroom E-F
Govind B. Chavhan, MD and Hansel J. Otero, MD, Moderators

4:00-4:20 p.m.  The Role of MR Enterography in Escalating Therapy in Pediatric Patients with Inflammatory Bowel Disease
Dedrick Moulton, MD


P074  4:30  4:40  Trout, Andrew  Normal Pancreatic Secretion in Children Measured by MRI with Secretin

P075  4:40  4:50  Dillman, Jonathan  Diagnostic performance of quantitative MRI parameters for predicting radiologic portal hypertension in autoimmune liver diseases

P076  4:50  5:00  Stefek, Heather  Relationship between 2D phase contrast MRI Rex shunt blood flow, Rex shunt diameter, and clinical indicators of portal hypertension

P077  5:00  5:10  Romberg, Erin  Validation of LI-RADS in Evaluation of Pediatric Liver Masses

P078  5:10  5:20  Lipsich, Jose  Congenital portosystemic shunts (CPSS): clinical outcome after treatment. Experience in a tertiary hospital in Argentina

P079  5:20  5:30  Back, Susan  Preliminary experience with Contrast Enhanced Ultrasound (CEUS) of the Pediatric Liver

4:00 PM  5:30 PM  Scientific Session IV-B: Cardiovascular Imaging – Broadway Ballroom A-D
Randolph K. Otto, MD and Prakash M. Masand, MD, Moderators

4:00-4:20 p.m.  Value in Cardiology, Lessons from Appropriate Use Criteria
Jason Christensen, MD

P080  4:20  4:30  Malone, LaDonna  Coronary artery assessment in pediatric patients using ultrafast ECG gated CT: Is this a viable alternative to prospectively gated technique?

COLOR KEY

Scientific Session  General Session
General Postgraduate Course  Sunrise/Midday Session
Body Imaging Postgraduate Course  Technologist Program

The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:30</td>
<td>P081</td>
<td>Depiction of the Native Coronary Arteries during ECG-triggered high-pitch spiral Dual-Source Cardiac CTA in Children: Determinants of Image Quality</td>
<td>Barrera, Christian</td>
<td>Depiction of the Native Coronary Arteries during ECG-triggered high-pitch spiral Dual-Source Cardiac CTA in Children: Determinants of Image Quality</td>
</tr>
<tr>
<td>4:50</td>
<td>P083</td>
<td>Coronary artery imaging in Kawasaki disease with Computed Tomography Angiography and Echocardiography, a comparative analysis</td>
<td>Ortiz-Neira, Clara L</td>
<td>Coronary artery imaging in Kawasaki disease with Computed Tomography Angiography and Echocardiography, a comparative analysis</td>
</tr>
<tr>
<td>5:00</td>
<td>P084</td>
<td>Delayed Myocardial Enhancement in Children: Comparison of Conventional Technique to a Free Breathing Single-Shot Technique in Duchenne Muscular Dystrophy</td>
<td>Markush, Dor</td>
<td>Delayed Myocardial Enhancement in Children: Comparison of Conventional Technique to a Free Breathing Single-Shot Technique in Duchenne Muscular Dystrophy</td>
</tr>
<tr>
<td>5:10</td>
<td>P085</td>
<td>Association of T2 Lymphatic Imaging in Single Ventricle Patients After Superior Cavopulmonary Connection with Acute Post-Fontan Outcomes</td>
<td>Biko, David</td>
<td>Association of T2 Lymphatic Imaging in Single Ventricle Patients After Superior Cavopulmonary Connection with Acute Post-Fontan Outcomes</td>
</tr>
<tr>
<td>5:20</td>
<td>P086</td>
<td>Aortic Disease in Patients with Mucopolysaccharidosis</td>
<td>Davis, Joseph</td>
<td>Aortic Disease in Patients with Mucopolysaccharidosis</td>
</tr>
</tbody>
</table>

**4:00 PM – 5:30 PM Scientific Session IV-C: ALARA – Cumberland 1 & 2**

Steven Don, MD and Robert MacDougall, MSc, Moderators

**The ALARA Concept: Image Gently and Beyond**

Marta Hernanz-Schulman, MD, FACR

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:20</td>
<td>P087</td>
<td>Assessing Pediatric Fluoroscopy Radiation Dose Awareness amongst Clinicians</td>
<td>Sharma, Priya</td>
<td>Assessing Pediatric Fluoroscopy Radiation Dose Awareness amongst Clinicians</td>
</tr>
<tr>
<td>4:30</td>
<td>P088</td>
<td>Reduced-Dose Radiography Protocol for Focused Assessment of Feeding Tube Position</td>
<td>Kaplan, Summer</td>
<td>Reduced-Dose Radiography Protocol for Focused Assessment of Feeding Tube Position</td>
</tr>
<tr>
<td>4:40</td>
<td>P089</td>
<td>Stochastic Noise Tolerance in Pediatric Appendicitis CT</td>
<td>Don, Steven</td>
<td>Stochastic Noise Tolerance in Pediatric Appendicitis CT</td>
</tr>
</tbody>
</table>
Thursday

Scientific Session  General Session
General Postgraduate Course  Sunrise/Midday Session
Body Imaging Postgraduate Course  Technologist Program

P091  5:00  5:10  Ngo, Jennifer  Development and Testing of an Innovative Simulation Paradigm for Subtle Liver Lesion Detection in Pediatric CT

P092  5:10  5:20  Ngo, Jennifer  An Innovative Simulation Paradigm for Evaluation of Subtle Liver lesions in Pediatric CT: Performance and Confidence

P093  5:20  5:30  MacDougall, Robert  Development of a tool to aid the radiologic technologist using augmented reality and computer vision

4:00 PM  5:00 PM  Technologist Family Feud – Cumberland 5 & 6

Christine Harris, RT (R) (MR), Moderator

4:00-5:00 p.m.  Family Feud
Nikki D. Butler, BMSc, RT(R)(QM)

5:00 PM  5:30 PM  Technologist Session: Global Health Panel – Cumberland 5 & 6

Christine Harris, RT (R) (MR)
Laura Poznick, AAS, RDMS
Lacy Gandor, RDMS

5:30 PM  Adjourn
6:30 AM  8:30 AM  Continental Breakfast & Exhibits
6:30 AM  6:00 PM  Registration
8:00 AM  5:00 PM  SPR Online Cases of the Day Activity

7:00 AM  8:20 AM  Sunrise Workshop – Child Abuse Trial Perspectives – Broadway Ballroom E-F
Joëlle A. Moreno, JD, Moderator
7:00-7:20 a.m.  10 Points for the Radiologist to Know About Trials
Joëlle A. Moreno, JD
7:20-7:40 a.m.  Testimony: The Do’s and Don’t’s
Jerry R. Dwek, MD
7:40-8:00 a.m.  Putting It All Together
Superior Court Judge Kevin C. Doyle
8:00-8:20 a.m.  Questions and Answers

7:00 AM  8:20 AM  Sunrise Workshop – Advanced Body Imaging – Cumberland 1 & 2
Jonathan R. Dillman, MD, MSc, Moderator
7:00-7:15 a.m.  MR Elastography Update
Jonathan R. Dillman, MD, MSc
7:15-7:30 a.m.  Dixon MRI Applications
Andrew T. Trout, MD
7:30-7:45 a.m.  Free Breathing Body MRI
Michael S. Gee, MD, PhD
7:45-8:00 a.m.  Update on Dual-Energy CT in Children
Sarah D. Bixby, MD
8:00-8:15 a.m.  CT Iterative Reconstruction: Where Do We Stand?
Samuel L. Brady, MS, PhD
8:15-8:20 a.m.  Questions and Answers

7:00 AM  8:20 AM  Sunrise Workshop – Pearls in Fetal Imaging – Broadway Ballroom A-D
Teresa Victoria, MD, PhD, Moderator
7:00-7:15 a.m.  How to Approach Abnormal Placentation
Mariana Meyers, MD
7:15-7:30 a.m.  Motion Correction in Fetal MRI
Camilo Jaimes, MD
7:30-7:45 a.m.  Prenatal Evaluation of Lymphatic Disorders with Postnatal Correlation
David M. Biko, MD

COLOR KEY
Scientific Session  General Session
General Postgraduate Course  Sunrise/Midday Session
Body Imaging Postgraduate Course  Technologist Program
34  The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course
7:45-8:00 a.m. How to Start a Fetal Program
Beth M. Kline-Fath, MD

8:00-8:15 a.m. How the Radiologist Adds Value to Patient Care with Emphasis in Fetal MRI
Brandon P. Brown, MD

8:15-8:20 a.m. The Unusual Lung Lesions
Teresa Victoria, MD, PhD

7:00 AM 8:20 AM Sunrise Workshop – Physics – Cumberland 3 & 4
Robert MacDougall, MSc, Moderator

7:00-7:15 a.m. Pediatric Digital Radiography: From EI to IQ
Robert MacDougall, MSc

7:15-7:30 a.m. Using Informatics Tools to Drive Quality Improvement
Cristina Dodge, MS

7:30-7:45 a.m. Contrast Ultrasound Primer
Samuel L. Brady, MS, PhD

7:45-8:00 a.m. Radiation Management and Dosimetric QA in Interventional Radiology
Nicholas Shkumat, MSc

8:00-8:20 a.m. MRI Safety: Physics and Practice
Jie Deng, PhD

7:00 AM 8:20 AM Sunrise Workshop – Diversity – Cumberland 5 & 6
Ashok Panigrahy, MD and Stephanie E. Spottswood, MD, MSPH, Moderators

7:00-7:20 a.m. Diversity and Unconscious Bias in Healthcare
Stephanie E. Spottswood, MD, MSPH

7:20-7:40 a.m. Supporting LGTBQ Patients and Families
Jesse M. Ehrenfeld, MD, MPH

7:40-8:00 a.m. "Disability - Its Name and Faces"
Cindy R. Miller, MD

8:00-8:20 a.m. Diversity, Discrimination, and Mitigation - Panel Discussion with Jonathan Dallas, BS, Jesse M. Ehrenfeld, MD, MPH, Cindy R. Miller, MD and Stephanie E. Spottswood, MD, MSPH

8:30 AM 10:10 AM Technologist Session – Cumberland 5 & 6
David A. Bloom, MD, FACR, Moderator

8:30-8:50 a.m. Child Life Services in Pediatric Radiology
Sarah Beth Gray, CCLS

8:50-9:10 a.m. The Role of Nursing in Preparing Patients for Imaging
Leslie Mintz, BSN
9:10-9:30 a.m.  Interactive VR on IV Sticks
Gabe Linke, BSRT (R)(MR) and
Nicole Hardin, MS, RT, (R)(M)(CIIP)

9:30-9:50 a.m.  PAWS (Patient Awake While Scanning)
MRI Program
Sarah Beth Gray, CCLS

9:50-10:10 a.m.  “Try Without” Program
Leslie Mintz, BSN

8:30 AM  10:10 AM  Scientific Session V-A: Gastrointestinal
Radiology – Broadway Ballroom E-F
Michael S. Gee, MD, PhD and Gary R. Schooler, MD,
Moderators

8:30-8:50 a.m.  Bile Duct Strictures Following Pediatric Liver
Transplantation
Lea Matsuoka, MD

P094  8:50  9:00  Dillman, Jonathan  Multiparametric Liver MRI in Children and
Young Adults with Autoimmune Liver
Disease: Correlation between Quantitative
Imaging Methods

P095  9:00  9:10  Trout, Andrew  Predictive Performance of MR Elastography
in Children and Young Adults with Suspected
Liver Disease

P096  9:10  9:20  Davis, James  Assessment of pediatric liver allografts with
shear wave elastography

P097  9:20  9:30  Goette, Matthew  Shear Wave Elastography Ultrasound for
Hepatic Veno-occlusive Disease in a
Pediatric Population undergoing
Hematopoietic Stem Cell Transplantation

P098  9:30  9:40  Diaz, Eric  Can MRI Liver Stiffness be used to
Predict Focal Liver Lesions in Fontan
Patients?

P099  9:40  9:50  Krishnamurthy, Ramjumar  Magnetic resonance elastography of the liver
in children: variations in regional stiffness

P100  9:50  10:00  Robinson, Amie  Methotrexate Therapy Increases Hepatic
Stiffness in Patients with Inflammatory Bowel
Disease

P101  10:00  10:10  Hunte, David  Abdominal Fat Distribution and its
Relationship with Liver and Pancreatic Fat
Fraction, Liver Stiffness and Diabetic Status
8:30 AM  10:10 AM  Scientific Session V-B: Fetal/Neonatal Imaging – Broadway Ballroom A-D
Beth M. Kline-Fath, MD and Marianna Meyers, MD, Moderators

8:30–8:50 a.m.  Fetal Diagnosis of Surgical Anomalies: Effect on Pre and Postnatal Therapy
John Pietsch, MD

8:50 9:00  Didier, Ryne  Contrast-Enhanced Brain Ultrasound on Extreme Premature Twin Fetal Lambs Maintained by the EXTra-uterine Environment for Neonatal Support (EXTEND): A Promising Imaging Technique

8:00 9:10  Bulas, Dorothy  Fetal and Postnatal Brain Imaging for the Detection of ZIKV Encephalopathy in the Fetus/Newborn

8:10 9:20  Snyder, Elizabeth  Fetal MRI Findings in Diencephalosynapsis

8:20 9:30  Guimaraes, Carolina  Posterior Fossa Findings in Prenatal Diagnosis of Dystroglycanopathy – Extending Beyond Brainstem Kinking

8:30 9:40  Zare, Megan  Establishment of normative values for the fetal posterior fossa by MRI.

8:40 9:50  Rubio, Eva  Predictive Value of Prenatal Alveolar Cleft Size in Determining the Likelihood of Secondary Palatal Defects

9:50 10:00  Guimaraes, Carolina  The Use of Echo Planar Imaging in the Identification of the Upper Spinal Bony Defect Level During Prenatal Evaluation of Open Neural Tube Defect - A Pilot Study

9:00 10:10  Nagaraj, Usha  Decreased Rectal Meconium Signal on MRI in Fetuses with Open Spinal Dysraphism

8:30 AM  10:10 AM  Scientific Session V-C: Neuroradiology – Cumberland 1 & 2
Susan Palasis, MD and Hisham Dahmoush, MD, Moderators

8:30–8:50 a.m.  Economically Motivated Patient Steerage: The Pediatric Perspective
Richard E. Heller, III, MD, MBA
<table>
<thead>
<tr>
<th>Session Code</th>
<th>Time</th>
<th>Title</th>
<th>presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P110</td>
<td>8:50</td>
<td>8:00 Bhargava, Ravi Globus pallidus and Dentate nuclei signal on T1-weighted MRI does not</td>
<td>change after multiple exposures to Gadobutrol in pediatric patients</td>
</tr>
<tr>
<td>P111</td>
<td>9:00</td>
<td>9:10 Kwong, Yin Yee Commonly Encountered Intracranial Calcifications: Prevalence In Pediatric And Young Adult Patients</td>
<td></td>
</tr>
<tr>
<td>P112</td>
<td>9:10</td>
<td>9:20 Retrouvey, Michele Sonographic Fronto-Occipital Ratio (FOR) in Evaluation of Hydrocephalus</td>
<td></td>
</tr>
<tr>
<td>P113</td>
<td>9:20</td>
<td>9:30 Ndolo, Josephine Ferumoxytol whole body vascular imaging including the central nervous system in pediatric patients: a single center's initial experience</td>
<td></td>
</tr>
<tr>
<td>P115</td>
<td>9:40</td>
<td>9:50 Starosolski, Zbigniew Gender-dependent cerebrovascular alterations in Moyamoya mice model correlate with the prevalence in pediatric population</td>
<td></td>
</tr>
<tr>
<td>P116</td>
<td>9:50</td>
<td>10:00 Hu, Houchun Motion Insensitive 3D T1-Weighted Post-Contrast Brain MRI Using a Golden Angle Radial Acquisition</td>
<td></td>
</tr>
<tr>
<td>P117</td>
<td>10:00</td>
<td>10:10 Hu, Houchun Quantitative Multi-Delay Arterial Spin Labeling MRI in Neonates and Children: Preliminary Experience</td>
<td></td>
</tr>
</tbody>
</table>

10:10 AM      10:40 AM      Break & Exhibits

10:40 AM      12:00 PM      Midday Workshop – Critical Skills in Pediatric Radiology – Mockingbird 2
Lane F. Donnelly, MD, Moderator

10:40-11:00 a.m. Communication - Listening Skills - A Key to Effective Leadership
Lane F. Donnelly, MD

11:00-11:20 a.m. Daily Readiness - Managing Today's Work
Craig M. Johnson, DO
11:20-11:40 a.m. Improvement - Systems to Promote Problem Solving Accountability
David B. Larson, MD, MBA

11:40-12:00 p.m. People - Faculty Development & Engagement
Brian D. Coley, MD, FACR, FAIUM

10:40 AM 12:00 PM Midday Workshop – Dynamic Airway and Pulmonary Imaging – Cumberland 5 & 6
S. Bruce Greenberg, MD, Moderator

10:40-10:54 a.m. Technical Aspects of Dynamic Airway Imaging
Karen Lyons, MB, BCh, BAO

10:54-11:12 a.m. Upper Airway Dynamic Imaging by MR and CT
Robert J. Fleck, MD

11:12-11:30 a.m. Anatomic and Functional Evaluation of the Thoracic Trachea, Airways and Lungs
Prakash M. Masand, MD

11:30-11:42 a.m. Cardiopulmonary Abnormalities
S. Bruce Greenberg, MD

11:42-12:00 p.m. Case Review

10:40 AM 12:00 PM Midday Workshop – Pediatric Contrast Ultrasound – How to Do Session – Cumberland 3 & 4
Kassa Darge, MD, PhD, Moderator

10:40-10:50 a.m. Contrast US: How to Start
Kassa Darge, MD, PhD

10:50-11:00 a.m. Contrast US: Challenges and Solutions as We Began
Patricia T. Acharya, MD

11:00-11:10 a.m. Intravenous Contrast US: How to Do
Susan J. Back, MD

11:10-11:20 a.m. Intravesical Contrast US: How to Do
Jeanne Chow, MD

11:20-11:30 a.m. Liver Contrast US: How to Interpret
Judy H. Squires, MD

11:30-11:40 a.m. Kidney Contrast US: How to Interpret
Susan J. Back, MD

11:40-11:50 a.m. Interventional Contrast US: Where to Apply
Abhay Srinivasan, MD

11:50-12:00 p.m. Contrast US: Questions and Answers
10:40 AM  12:00 PM  Midday Workshop – Balancing Efficiency and Accuracy in Pediatric Neuroimaging –
Broadway Ballroom A-D
Susan Palasis, MD, Moderator

10:40-11:05 a.m.  Minimizing MR Scan Time in Pediatric Neuroimaging
Arastoo Vossough, MD, PhD

11:05-11:30 a.m.  Maximizing Diagnostic Yield in Pediatric Neuroimaging
Mai Lan Ho, MD

11:30-11:55 a.m.  Targeted Pediatric Neuroimaging
Susan Palasis, MD

1:55-12:00 p.m.  Question and Answers

10:40 AM  12:00 PM  Midday Workshop – MR Arthrography –
Cumberland 1 & 2
Mahesh M. Thapa, MD, Moderator

10:40-10:55 a.m.  How to Perform Ultrasound Guided Arthrograms of the Shoulder and Hip
Mahesh M. Thapa, MD

10:55-11:10 a.m.  Shoulder Arthogram Interpretation
Bamidele F. Kammen, MD

11:10-11:25 a.m.  Elbow Arthogram Injection and Interpretation
Jeffrey P. Otjen

11:25-11:40 a.m.  Wrist Arthogram Injection and Interpretation
Anh-Vu H. Ngo, MD

11:40-11:55 a.m.  Hip Arthogram Interpretation
Arnold Carl Merrow, MD

11:55-12:00 p.m.  Questions and Answers

10:40 AM  12:00 PM  Midday Workshop – Appendicitis –
Broadway Ballroom E-F
Andrew T. Trout, MD, Moderator

10:40-10:55 a.m.  Appendicitis - Why Are We Still Talking About This?
Andrew T. Trout, MD

10:55-11:05 a.m.  Work-up of Appendicitis - The Private Practice Perspective
Kimberly A. Garver, MD

11:05-11:15 a.m.  Work-up of Appendicitis - The Academic Perspective
Michael Aquino, MD

11:15-11:20 a.m.  Discussion
Friday

11:20-11:40 a.m.  
**Appendicitis - What If? Decision Making and Problem Solving**  
Robert C. Orth, MD, PhD, MPH

11:40-12:00 p.m.  
**Appendicitis - Lessons Learned, Mimics and Other Causes of RLQ Pain**  
Martha M. Munden, MD

12:00 PM - 1:30 PM  
**Lunch On Your Own**

12:00 PM - 1:30 PM  
**SPR Members’ Business Meeting** -  
Broadway Ballroom E-F

1:30 PM - 3:20 PM  
**Scientific Session VI-A: Musculoskeletal Imaging** -  
Broadway Ballroom E-F  
Arthur B. Meyers, MD and Delma Y. Jarrett, MD, Moderators

1:30-1:50 p.m.  
**The Invaluable Pediatric Radiologist to Musculoskeletal Imaging**  
Jeffrey E. Martus, MD

P118 1:50-2:00  
Artunduaga, Maddy  
**MR correlation of spica hip arthrographic sliver sign during closed reduction of developmental hip dysplasia of the hip**

P119 2:00-2:10  
Artunduaga, Maddy  
**Correlation of arthrographic inverted limbus sign and spica MRI in developmental dysplasia of the hip**

P120 2:10-2:20  
Bedoya, Maria  
**Diffusion-Tensor Imaging of the femoral physes: Can we predict future growth?**

P121 2:20-2:30  
Jaramillo, Diego  
**Diffusion Tensor Imaging for the Evaluation of Physeal Microstructural Changes in Children Treated with High Dose Cis-Retinoic Acid (Cis-RA) for High Risk Neuroblastoma**

P122 2:30-2:40  
Rapp, Jordan  
**Marel-Lavellée lesions: MRI characteristics in the pediatric patient**

P123 2:40-2:50  
Tsai, Andy  
**Children with Unilateral Fibular Hemimelia Have Normal Lower Extremity Growth Trajectory and Skeletal Maturation**

P124 2:50-3:00  
Withdrawn

P125 3:00-3:10  
Ditzler, Matthew  
**Pediatric Posterior Ankle Impingement: An Underdiagnosed Cause of Posterior Ankle Pain**

P126 3:10-3:20  
Ditzler, Matthew  
**MRI Findings of Pediatric Posterior Ankle Impingement and Associated Entities**

**COLOR KEY**

<table>
<thead>
<tr>
<th>Scientific Session</th>
<th>General Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Postgraduate Course</td>
<td>Sunrise/Midday Session</td>
</tr>
<tr>
<td>Body Imaging Postgraduate Course</td>
<td>Technologist Program</td>
</tr>
</tbody>
</table>

The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course

41
### Scientific Session VI-B: Oncology/Nuclear Medicine

**Broadway Ballroom A-D**

**Moderators**

Geetika Khanna, MD, MS and Andrew T. Trout, MD

1:30-1:50 p.m.  **Oncology is a Team Sport: How Radiologists Help Provide Optimal Cancer Care**

Scott C. Borinstein, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:50</td>
<td>Cain, Timothy</td>
<td>Introduction of a clinical MR PET service into a dedicated children’s hospital; lessons learned from the first 550 patients</td>
</tr>
<tr>
<td>2:00</td>
<td>Kaste, Sue</td>
<td>The role of routine imaging in childhood melanoma (MM)</td>
</tr>
<tr>
<td>2:10</td>
<td>Ranginwala, Saad</td>
<td>MR Imaging Features of Subtypes of Hepatocellular Adenomas in Children</td>
</tr>
<tr>
<td>2:20</td>
<td>Kaste, Sue</td>
<td>Long-term Outcomes of Large Femoral Head Osteonecrotic (ON) Lesions in Pediatric Patients Treated for Leukemia or Lymphoma</td>
</tr>
<tr>
<td>2:30</td>
<td>Ghaghada, Ketan</td>
<td>High-Resolution In Vivo Imaging of Tumor Angiogenesis in Orthotopic Xenograft and Transgenic Mouse Models of Neuroblastoma</td>
</tr>
<tr>
<td>2:40</td>
<td>Lim-Dunham, Jennifer</td>
<td>Malignancy risk stratification of pediatric thyroid nodules using ACR Thyroid Imaging, Reporting and Data System (ACR TI-RADS)</td>
</tr>
<tr>
<td>2:50</td>
<td>Low, Samantha</td>
<td>Streamlining primary care referrals for ultrasound assessment of paediatric cervical nodes in a NHS (UK) District General Hospital: Preliminary results from an ongoing study</td>
</tr>
<tr>
<td>3:00</td>
<td>Shah, Summit</td>
<td>Hepatobiliary scintigraphy vs. ultrasound for assessment of gallbladder ejection fraction in pediatric patients with suspected biliary dyskinesia</td>
</tr>
<tr>
<td>3:10</td>
<td>Sharp, Susan</td>
<td>Solid gastric emptying: does the 4 hour examination add value in children?</td>
</tr>
</tbody>
</table>
### Scientific Session VI-C: Informatics, QI, Education & Healthcare Policy – Cumberland 1 & 2

**Moderators**

Paula N. Dickson, MD and Janet R. Reid, MD, FRCP, MD

1:30-1:50 p.m.

**What Does Value-added Mean for Education and Radiology?**  
Melissa A. Hilmes, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Presenter(s)</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30</td>
<td>Building a Comprehensive Learning Management System for Pediatric Radiology: How We Got There</td>
<td>Reid, Janet</td>
<td>P136 1:50 2:00</td>
</tr>
<tr>
<td>1:50</td>
<td>Simulation in Pediatric Interventional Radiology Environment: What lessons are we learning?</td>
<td>Shaikh, Raja</td>
<td>P137 2:00 2:10</td>
</tr>
<tr>
<td>2:00</td>
<td>Is Social Media a Growing or Declining Educational Method in Pediatric Radiology?</td>
<td>D’Alessandro, Michael</td>
<td>P138 2:10 2:20</td>
</tr>
<tr>
<td>2:20</td>
<td>Feasibility and Impact of Intensive Hands-On Sonography Training for Pediatric Radiology Fellows</td>
<td>Kaplan, Summer</td>
<td>P139 2:20 2:30</td>
</tr>
<tr>
<td>2:30</td>
<td>Body MRI Training During Pediatric Radiology Fellowship: Defining the Needs</td>
<td>Hailu, Tigist</td>
<td>P140 2:30 2:40</td>
</tr>
<tr>
<td>2:40</td>
<td>Radiology Resident Preparedness in Counseling Patients for MRI During Pregnancy</td>
<td>Miller, Elise</td>
<td>P141 2:40 2:50</td>
</tr>
<tr>
<td>2:50</td>
<td>Pediatric Radiology Support and Education for Radiologists in a Large, Multicentric Group Practice</td>
<td>Heller, Richard</td>
<td>P142 2:50 3:00</td>
</tr>
<tr>
<td>3:00</td>
<td>The Pediatric Normal Studies Database: First Years’ Experience and Utilization Patterns</td>
<td>Francavilla, Michael</td>
<td>P143 3:00 3:10</td>
</tr>
<tr>
<td>3:10</td>
<td>Reducing the sedation rates in MRI for pediatric patients utilizing an MRI simulator preparation session facilitated by a child life specialist.</td>
<td>Buskirk, Tricia</td>
<td>P144 3:10 3:20</td>
</tr>
</tbody>
</table>

### Technologist Scientific Session – Cumberland 5 & 6

**Moderator**

Stephen F. Simoneaux, MD

1:30-3:20 p.m.

**Evaluation of Meso-Rex Bypass with F erumoxytol Contrast Enhanced MRI**

Morales, Gabriel

**Implementation of a Pediatric MRI Lymphangiography Programs**

Brondell, Ashley

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Presenter(s)</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30</td>
<td>Evaluation of Meso-Rex Bypass with Ferumoxytol Contrast Enhanced MRI</td>
<td>Morales, Gabriel</td>
<td>P001 (T) 1:30 1:40</td>
</tr>
<tr>
<td>1:40</td>
<td>Implementation of a Pediatric MRI Lymphangiography Programs</td>
<td>Brondell, Ashley</td>
<td>P002 (T) 1:40 1:50</td>
</tr>
</tbody>
</table>

**COLOR KEY**

<table>
<thead>
<tr>
<th>Scientific Session</th>
<th>General Session</th>
<th>General Postgraduate Course</th>
<th>Sunrise/Midday Session</th>
<th>Body Imaging Postgraduate Course</th>
<th>Technologist Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>P136 1:50 2:00</td>
<td>Reid, Janet</td>
<td>Scientific Session</td>
<td>General Session</td>
<td>General Postgraduate Course</td>
<td>Body Imaging Postgraduate Course</td>
</tr>
<tr>
<td>P137 2:00 2:10</td>
<td>Shaikh, Raja</td>
<td>Cumberland 1 &amp; 2</td>
<td>Cumberland 1 &amp; 2</td>
<td>General Session</td>
<td>General Postgraduate Course</td>
</tr>
<tr>
<td>P138 2:10 2:20</td>
<td>D’Alessandro, Michael</td>
<td>Scientific Session</td>
<td>General Session</td>
<td>General Postgraduate Course</td>
<td>Body Imaging Postgraduate Course</td>
</tr>
<tr>
<td>P139 2:20 2:30</td>
<td>Kaplan, Summer</td>
<td>Cumberland 1 &amp; 2</td>
<td>General Session</td>
<td>General Postgraduate Course</td>
<td>Body Imaging Postgraduate Course</td>
</tr>
<tr>
<td>P140 2:30 2:40</td>
<td>Hailu, Tigist</td>
<td>Technologist Scientific Session</td>
<td>General Session</td>
<td>General Postgraduate Course</td>
<td>Body Imaging Postgraduate Course</td>
</tr>
<tr>
<td>P141 2:40 2:50</td>
<td>Miller, Elise</td>
<td>Cumberland 5 &amp; 6</td>
<td>General Session</td>
<td>General Postgraduate Course</td>
<td>Body Imaging Postgraduate Course</td>
</tr>
<tr>
<td>P142 2:50 3:00</td>
<td>Heller, Richard</td>
<td>Technologist Scientific Session</td>
<td>General Session</td>
<td>General Postgraduate Course</td>
<td>Body Imaging Postgraduate Course</td>
</tr>
<tr>
<td>P143 3:00 3:10</td>
<td>Francavilla, Michael</td>
<td>Cumberland 5 &amp; 6</td>
<td>General Session</td>
<td>General Postgraduate Course</td>
<td>Body Imaging Postgraduate Course</td>
</tr>
<tr>
<td>P144 3:10 3:20</td>
<td>Buskirk, Tricia</td>
<td>Technologist Scientific Session</td>
<td>General Session</td>
<td>General Postgraduate Course</td>
<td>Body Imaging Postgraduate Course</td>
</tr>
</tbody>
</table>
Friday

**P003 (T) 1:50 2:00** Stenger, Kristina Conjoined Twins: A Life Together - A Case Report on Prenatal and Postnatal Imaging of Parapagus Dicephalus Twins

**P004 (T) 2:00 2:10** Curran, David Paediatric lower limb lymphoscintigraphy: A retrospective review of practice and dose optimization

**P005 (T) 2:10 2:20** Patel, Falguni Role of Ultrasound with Atypical Spitz tumor

**P006 (T) 2:20 2:30** Thorkelson, Marrit Advanced MRI Scan Techniques and 3D Post-Processing in Pediatric Patients

**P007 (T) 2:30 2:40** Augustyn, Robyn CT Iterative Reconstruction Increases Efficiency of 3D Image Post-Processing

**P008 (T) 2:40 2:50** Pazienza, Rocco The Diagnosis of Accidental and Non-Accidental Trauma Through Medical Imaging

**P009 (T) 2:50 3:00** Hidalgo, Khristina MRI Safety Screening Clearance Process

**P010 (T) 3:00 3:10** Goehner, Melissa Generational Differences in the Workplace

3:50 PM 5:20 PM **Scientific Session VII-A: Gastrointestinal Radiology – Broadway Ballroom E-F**

**P145 4:10 4:20** Pomeranz, Christy Intraabdominal soft tissue injuries on computed tomography (CT) in accidental versus non accidental trauma

**P146 4:20 4:30** Blumfield, Einat Perforated appendicitis vs Non-perforated Appendicitis: A Validation Study of a Score System Based on Sonographic, Clinical and Laboratory Findings

**P147 4:30 4:40** Naz, Fozia Rapid non-contrast MR protocol for evaluation of abdominal and pelvic abscesses in children

**P148 4:40 4:50** Royall, Ivey Does Prolongation of Time Between Intussusception Diagnosis and Therapeutic Enema Result In Increased Patient Morbidity: a Retrospective Review

**P149 4:50 5:00** Goldman-Yassen, Adam Non-emergent outpatient pediatric UGI series: can clinical parameters improve diagnostic yield?

**COLOR KEY**

<table>
<thead>
<tr>
<th>Scientific Session</th>
<th>General Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Postgraduate Course</td>
<td>Sunrise/Midday Session</td>
</tr>
<tr>
<td>Body Imaging Postgraduate Course</td>
<td>Technologist Program</td>
</tr>
</tbody>
</table>

The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>P150</td>
<td>5:00</td>
<td>Wong, Kevin</td>
<td>Does prior CT or MRI obviate the need for Upper GI examination to rule out malrotation?</td>
</tr>
<tr>
<td>P151</td>
<td>5:10</td>
<td>Wong, Kevin</td>
<td>Making the Diagnosis of Mid Gut Volvulus: Limited Abdominal Ultrasound has changed our Clinical Practice</td>
</tr>
<tr>
<td>3:50 PM</td>
<td>5:20 PM</td>
<td>Scientific Session VII-B: Cardiovascular Imaging/Gastrointestinal Radiology – Broadway Ballroom A-D</td>
<td></td>
</tr>
<tr>
<td>P152</td>
<td>4:10</td>
<td>Pednekar, Amol</td>
<td>Clinical Evaluation of Free Breathing CARDiorespiratory Synchronized (CARESync) Balanced Steady-State Free Precession (bSSFP) Cine Imaging in Pediatric Population</td>
</tr>
<tr>
<td>P154</td>
<td>4:30</td>
<td>Pednekar, Amol</td>
<td>Automatic Quantification of Left Ventricular Non-compaction using Fractal Analysis and Perimetric Ratio</td>
</tr>
<tr>
<td>P155</td>
<td>4:40</td>
<td>Li, Arleen</td>
<td>Comparison of MR Tissue Phase Mapping and MR Feature Tracking in Children with Hypertrophic Cardiomyopathy</td>
</tr>
<tr>
<td>P156</td>
<td>4:50</td>
<td>Krishnamurthy, Ramkumar</td>
<td>Quantitative Regional Fibrosis Burden in Duchenne Muscular Dystrophy Patients by Cardiac Magnetic Resonance Imaging</td>
</tr>
<tr>
<td>P157</td>
<td>5:00</td>
<td>Jones, Richard</td>
<td>Demonstration of linear correlation between R2* and liver iron concentration across multiple MR acquisition parameters at 1.5T and 3T.</td>
</tr>
<tr>
<td>P158</td>
<td>5:10</td>
<td>Tipirneni-Sajja, Aaryani</td>
<td>Automated Vessel Exclusion on Free-Breathing Ultrashort Echo Time Imaging For Assessment of Hepatic Iron Overload by R2*-MRI</td>
</tr>
</tbody>
</table>

**COLOR KEY**

- **Scientific Session**
- **General Postgraduate Course**
- **Body Imaging Postgraduate Course**
- **General Session**
- **Sunrise/Midday Session**
- **Technologist Program**
3:50 PM  5:20 PM  **Scientific Session VII-C: Interventional Radiology — Cumberland 1 & 2**
Josée Dubois, MD and C. Matthew Hawkins, MD, Moderators

3:50-4:10 p.m.  **The Added VALUE of Pediatric Intervention**
Richard B. Towbin, MD, FACR

P159  4:10  4:20  Kukreja, Kamlesh  Developing an inpatient consult service at a large tertiary Children's hospital: process and lessons learned

P160  4:20  4:30  Hayatghaibi, Shireen  Reliability of an Updated Classification System for Adverse Events in Pediatric Interventional Radiology

P161  4:30  4:40  Cleveland, Heather  Portal Vein Recanalizations in Pediatric Liver Transplant Patients: Single Center Experience

P162  4:40  4:50  Toso, Seema  Diagnostic accuracy of ultrasound, computed tomography and wedge portography in the work-up for mesenterico-rex bypass in children with extrahepatic portal hypertension: a preliminary study

P163  4:50  5:00  Cronan, Julie  Endovascular stenting in adolescents with nutcracker syndrome

P164  5:00  5:10  Mayercik, Vera  Optimizing Pediatric Gastrojejunostomy Tube Maintenance

P165  5:10  5:20  Variyam, Darshan  Internal jugular vein tunneled central lines: To cuff or not to cuff?

3:50 PM  5:20 PM  **Technologist Session – Cumberland 5 & 6**
Laura Gruber, MBA, RT(R), RDMS, RVT, Moderator

3:50-4:10 p.m.  **Quality Roles in Imaging**
Nikki D. Butler, BMSc, RT(R)(QM)

4:10-4:30 p.m.  **Creating Educational Videos**
Dana Brinson, BHA RT(R) and Jesse Green, RT(R)

4:30-4:50 p.m.  **Panel Workflows for Image Quality Review**
Michelle Garza, (RTR) and Nikki D. Butler, BMSc, RT(R), (QM)

4:50-5:20 p.m.  **Questions and Answers**

5:20 PM  **Adjourn**

7:00 PM  10:30 PM  **Reception and Annual Banquet**
(separate registration fee applies) – Legends Ballroom D-G
Saturday

6:45 AM  8:00 AM  Continental Breakfast
6:30 AM  12:00 PM  Registration
7:00 AM  7:50 AM  US Protocol Session (Non-CME Session) – Broadway Ballroom G-K
Monica Epelman, MD and Cicero T. Silva, MD, Moderators
7:00-7:01 a.m.  Introduction & Welcome
7:01-7:30 a.m.  Ultrasound of Necrotizing Enterocolitis: Protocol, Pearls and Pitfalls
Alan Daneman, MD
7:30-7:45 a.m.  Ultrasound of Vascular Anomalies: What the Interventionalist Want to Know
Craig M. Johnson, DO
7:45-7:50 a.m.  US Protocol Session Discussion

8:00 AM  12:00 PM  Education Session – Creating a Teaching Portfolio: Getting Promoted on The Teaching Track – Broadway Ballroom A-B
Mahesh M. Thapa, MD and Janet R. Reid, MD, FRCPC, Moderators
Joe Otjen, MD, Michael Francavilla, MD and Brian R. Hopely, Proctors
8:00-8:10 a.m.  Introductions and Overview
Mahesh M. Thapa, MD
8:10-8:20 a.m.  What is the Teaching Portfolio?
Mahesh M. Thapa, MD
8:20-8:30 a.m.  Teaching Portfolio for Trainees
Paula N. Dickson, MD
8:30-9:00 a.m.  Hands-on Exercise
9:00-9:20 a.m.  What Makes a Good Teaching Philosophy?
Janet R. Reid, MD, FRCPC
9:20-9:50 a.m.  Hands-on Exercise
9:50-10:00 a.m.  Questions and Answers
10:00-10:10 a.m.  Break
10:10-10:20 a.m.  What Counts as Teaching
Janet R. Reid, MD, FRCPC
10:20-10:50 a.m.  Hands-on Exercise
10:50-11:10 a.m.  How to Digitally Keep Track of Your Teaching Activities and Productivity
Anh-Vu H. Ngo, MD
11:10-11:40 a.m.  Hands-on Exercise
11:40-12:00 p.m.  Wrap-up

COLOR KEY

Scientific Session  General Session
General Postgraduate Course  Sunrise/Midday Session
Body Imaging Postgraduate Course  Technologist Program

The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course 47
Saturday

8:00 AM  12:00 PM  Young Practitioners: The Future of Pediatric Interventional Radiology (SAM Session) – Broadway Ballroom C-D
Leah E. Braswell, MD and Manish N. Patel, DO, Moderators
8:00-8:30 a.m.  Transplant Interventions
Jared R. Green, MD
8:30-9:00 a.m.  GI Interventions
Anne Gill, MD
9:00-9:30 a.m.  GU Interventions
Seth E. Vatsky, DO
9:30-9:45 a.m.  Discussion
9:45-10:00 a.m.  Break
10:00-10:30 a.m.  Aneurysmal Bone Cysts
Leah E. Braswell, MD
10:30-11:00 a.m.  Venous Access
Craig M. Johnson, DO
11:00-11:30 a.m.  Program Growth and Leadership
C. Matthew Hawkins, MD
Nghia “Jack” Vo, MD
11:30-12:00 p.m.  Discussion

8:00 AM  12:00 PM  Pediatric Neuroradiology Session (SAM Session) – Broadway Ballroom E-F
Laura L. Hayes, MD and Judith Gadde, DO, Moderators
8:00-8:25 a.m.  Eye(s) Have a Clue
Timothy N. Booth, MD
8:25-8:50 a.m.  Imaging Approach of Congenital Ear Anomalies
Caroline D. Robson, MBChB
8:50-9:15 a.m.  Current Concepts of Autoimmune Encephalitis
Manohar Shroff, MD
9:15-9:40 a.m.  Emergent Neuroimaging for Suspected Acute Pediatric Stroke
Susan Palasis, MD
9:40-10:05 a.m.  The Child with Intractable Seizures
Erin S. Schwartz, MD
10:05-10:20 a.m.  Break
10:20-10:45 a.m.  The New Molecular Classification of Pediatric Brain Tumors: Implications for the Radiologist
Zoltan Patay, MD, PhD
10:45-11:10 a.m.  Treatment Related Complications in Pediatric Brain Tumors
Dennis W. W. Shaw, MD

COLOR KEY

Scientific Session  General Session
General Postgraduate Course  Sunrise/Midday Session
Body Imaging Postgraduate Course  Technologist Program
Saturday May 19

11:10-11:35 a.m.  Neuroimaging Evaluation of Hydrocephalus and Increased Intracranial Pressure  
Asim F. Choudhri, MD

11:35-12:00 p.m.  Update on Posterior Fossa Malformations  
Thierry A. G. M. Huisman, MD

8:00 AM - 12:00 PM  Oncology Session (SAM Session) –  
Cumberland 1 & 2  
Adina L. Alazraki, MD, FAAP and  
Stephan D. Voss, MD, PhD, Moderators

8:00-9:50 a.m.  General Oncology

8:00-8:05 a.m.  Introduction  
Adina L. Alazraki, MD, FAAP

8:05-8:25 a.m.  Bone Tumor Update  
Kelley W. Marshall, MD

8:25-8:50 a.m.  Whole Body Imaging in Cancer Predisposition Syndrome  
Stephan D. Voss, MD, PhD

8:50-9:10 a.m.  CNS Manifestations in Cancer Predisposition Syndromes  
Sarah S. Milla, MD, FAAP

9:10-9:35 a.m.  Pros and Cons of PET-CT and PET-MRI in Pediatric Oncology  
Michael S. Gee, MD, PhD  
Lisa J. States, MD

9:35-9:50 a.m.  Novel Radiotracers for Oncologic Imaging  
Scott E. Snyder, PhD

9:50-10:05 a.m.  Break

10:05-12:00 p.m.  Rare Tumors

10:05-10:30 a.m.  Thyroid Cancer: From Diagnosis to Treatment  
Marguerite T. Parisi, MD, MS

10:30-10:55 a.m.  Neuroendocrine Tumors: What's New in Imaging?  
Andrew T. Trout, MD

10:55-11:20 a.m.  Zebras in Pediatric Oncology  
Sue C. Kaste, DO

11:20-11:40 a.m.  Update on RECIST  
M. Beth McCarville, MD

11:40-12:00 p.m.  Cases in Oncology: Audience Response  
Adina L. Alazraki, MD, FAAP
8:00 AM  12:00 PM  Hands-On Ultrasound Session: How to Do It Right! — Broadway Ballroom G–K
Kassa Darge, MD, PhD, Monica Epelman, MD and Marta Hernanz-Schulman, MD, FCR, Moderators

8:00-8:30 a.m.  Session 1: Ultrasound of the Vomiting Infant
8:00-8:15 a.m.  US of the Vomiting Infant
Marta Hernanz-Schulman, MD, FCR

8:15-8:30 a.m.  Hands-on Session
Station 1: Marta Hernanz-Schulman, MD, FCR
Station 2: Monica Epelman, MD and Edward Arroyo, RDMS
Station 3: Lamont Hill, RDMS
Station 4: Jason Hooper, BS, RDMS, RVT
Station 5: Maria Smith, BS, RDMS, RVT

8:30-8:40 a.m.  Transition — Intro to Session 2

8:40-9:55 a.m.  Session 2: Contrast Ultrasound
8:40-8:55 a.m.  Intravenous Contrast Enhanced US
Susan J. Back, MD
8:55-9:10 a.m.  Intravesical Contrast Enhanced US
Jeanne Chow, MD
9:10-9:55 a.m.  Hands-on Session
Station 1: Preparation of Ultrasound Contrast Agents
Laura Poznick, AAS, RDMS and Brandi Kozak, RDMS
Station 2: Imaging of Microbubbles: A Teach Yourself Session
Kassa Darge, MD, PhD
Station 3: Imaging of Microbubbles: A Teach Yourself Session
Jeanne Chow, MD and Trudy Morgan, RDMS
Station 4: Simulation of Contrast Enhanced Voiding Urosonography
Susan J. Back, MD and Sphoorti Shelleri, MSc

9:55-10:10 a.m.  Break
Saturday

10:10-10:40 a.m. Session 3: Ultrasound Elastography

10:10-10:25 a.m. US Elastography
Jonathan R. Dillman, MD, MSc

10:25-10:40 a.m. Hands-on Session
Station 1: Monica Epelman, MD and Edward Arroyo, RDMS
Station 2: Jonathan R. Dillman, MD, MSc
Station 3: Trudy Morgan, RDMS
Station 4: Brandi Kozak, RDMS
Station 5: Maria Smith, RDMS, RVT

10:40-10:50 a.m. Transition – Intro to Session 4

10:50-11:20 a.m. Session 4: Ultrasound of the Lungs

10:50-11:05 a.m. US of the Lung Parenchyma - Technique
Monica Epelman, MD

11:05-11:20 a.m. Hands-on Session
Station 1: Monica Epelman, MD
Station 2: Maria Smith, RDMS, RVT
Station 3: Edward Arroyo, RDMS
Station 4: Brandi Kozak, RDMS
Station 5: Cicero T. Silva, MD

11:20-11:30 a.m. Transition – Intro to Session 5

11:30-12:00 p.m. Session 5: Ultrasound of the Orbits

11:30-11:45 a.m. US of the Orbits
Cicero T. Silva, MD

11:45-12:00 p.m. Hands-on Session
Station 1: Cicero T. Silva, MD
Station 2: Kassa Darge, MD, PhD
Station 3: Lamont Hill, RDMS
Station 4: Monica Epelman, MD
Station 5: Ricardo Faingold, MD
Station 6: Edward Arroyo, RDMS and Maria Smith, BS, RDMS, RVT

COLOR KEY

Scientific Session General Session
General Postgraduate Course Sunrise/Midday Session
Body Imaging Postgraduate Course Technologist Program

The Society for Pediatric Radiology 2018 Annual Meeting & Postgraduate Course
Saturday

8:00 AM  12:00 PM  Technologist Session – Cumberland 5 & 6
Laura Gruber, MBA, RT(R), RDMS, RVT, and
Michelle Garza, (RTR), Moderators

8:00-8:30 a.m.  Ultrasound Research
Brandi Kozak, RDMS

8:30-8:50 a.m.  MR Fetal
Kimberly Ritze, BS, RT(R), CT, MR

8:50-9:10 a.m.  Tiny Transjugular Intrahepatic Portosystemic
Shunts (TIPS) for Kids
Ray Ramoso, ARRT (r)(vi)

9:10-9:30 a.m.  MR Cardiac
Marty Jones, MHA, RT (R)(MR)

9:30-9:50 a.m.  CT to Shield or Not to Shield
Georgiena Prevett, MS, RT(R)(N) (CT)(MR), CNMT (CT)

9:50-10:10 a.m.  MR Safety
Trista Raymer, RT (R)(CT)(MR)

10:10-10:20 a.m.  Questions and Answers

10:20-10:35 a.m.  Break

10:35-10:55 a.m.  NM Seizure Imaging
Joseph MacLean, CNMT

10:55-11:15 a.m.  PET/MR Brain Imaging
Elad Nevo MS, RT(MR)(N)(CT), CNMT

11:15-11:35 a.m.  IR (Boney Ablations)
Michael Payne, RT

11:35-11:55 a.m.  Panel of Research in Imaging Overview of the
Infrastructure of Research, Consenting, Protocols,
Training
Kimberly Ritze, BS, RT, CT, MR , John W. Dell,
BSRT(R )(MR) and Laura Gruber, MBA, RT(R), RDMS, RVT

11:55-12:00 p.m.  Questions and Answers

12:00 PM  Meeting Adjourn
Omni Nashville Meeting
Floor Plan
2018 Meetings of the SPR

Oncologic Imaging Course

*November 9-11, 2018*

St. Jude’s Children’s Research Hospital
Memphis, TN

**16th SPR Hands-On Course on Pediatric Cardiovascular MRI**

*October 9-11, 2018*

Renaissance ClubSports Hotel in Walnut Creek and UCSF Benioff Children’s Hospital Oakland, Walnut Creek Campus

Applications are now being accepted.

**Deadline: June 30, 2018**

---

**14th SPR Advanced Symposium on Pediatric Cardiovascular Imaging**

*October 12-14, 2018*

Renaissance ClubSports Hotel in Walnut Creek, CA

Registration is now open.

**Early-bird Registration Ends:**

*August 31, 2018*

For more information about the above activities as well as other educational offerings of the Society, visit [www.pedrad.org](http://www.pedrad.org).
2019 SPR Annual Meeting & Postgraduate Course
April 30 – May 4, 2019

Hilton San Francisco Union Square Hotel
San Francisco, CA

For more information about the SPR 2019 Annual Meeting & Postgraduate Course, visit www.pedrad.org.
SPR 2018
Annual Meeting & Postgraduate Course
“Value-added Pediatric Radiology”

May 15-19, 2018
Omni Nashville Hotel
Nashville, Tennessee