

## 2017 SPR Annual Meeting Scientific Sessions

This document only contains a listing of the scientific sessions.

To view the full program outline, click [here](#).

### TUESDAY - MAY 16, 2017

#### 10:55 AM 12:05 PM Scientific Session I-A: Gastrointestinal Radiology – Inflammatory Bowel Disease

*Marie-Louis C. Greer, MBBS and Alex El Ali, MD, Moderators*

PA-001	10:55 AM	11:05 AM	Hagerott, Heidi	Assessment of Pediatric Radiologists on the utilization of Bowel Ultrasound in the diagnosis and management of children with inflammatory bowel disease
PA-002	11:05 AM	11:15 AM	Wang, Gary	A combined MR enterography-perianal MRI protocol is feasible and improves perianal disease evaluation over standard MRE in pediatric Crohn's disease patients
PA-003	11:15 AM	11:25 AM	Orscheln, Emily	Penetrating Crohn Disease: Does It Occur in the Absence of Stricture Disease?
PA-004	11:25 AM	11:35 AM	Wu, Kaiming	Magnetic resonance enterography (MRE) imaging biomarkers of long-term remission on surveillance imaging of asymptomatic pediatric Crohn's disease patients
PA-005	11:35 AM	11:45 AM	Tabari, Azadeh	Texture analysis parameters of MRE post-contrast images can distinguish fibrotic from mixed inflammatory strictures in pediatric patients with Crohn's disease
PA-006	11:45 AM	11:55 AM	Wu, Kaiming	Cross Sectional Imaging of Jejunal Crohn's Disease (CD) in Pediatric Patients: Clinical Significance and Key Diagnostic Features
PA-007	11:55 AM	12:05 PM	Cruz Romero, Cinthia	Exclusive small bowel CD: imaging findings, genetic profile and clinical presentation.

#### 10:55 AM 12:05 PM Scientific Session I-B: Cardiovascular – CTA

*Lorna P. Browne, MD and Ting Tao, MD, PhD, Moderators*

PA-008	10:55 AM	11:05 AM	Cervantes, Luisa	EFFICACY AND SAFETY OF ORAL METOPROLOL FOR HEART RATE CONTROL BEFORE CORONARY CTA IN CHILDREN
PA-009	11:05 AM	11:15 AM	Zucker, Evan	Pediatric Coronary CTA: Factors Promoting Scan Success and Dose Reduction
PA-010	11:15 AM	11:25 AM	Lewis, Heidi	Preoperative Evaluation of the Thoracic Aorta in Infants: Comparative Analysis of Computed Tomographic Angiography and 2D Echo with Surgical Correlation
PA-011	11:25 AM	11:35 AM	Jadhav, Siddharth	CT angiography evaluation of pediatric renal artery stenosis, a retrospective review
PA-012	11:35 AM	11:45 AM	Deaver, Pamela	Volumetric computed tomography angiography (CTA) reduces the need for sedation during imaging prior to second stage single ventricle (SV) palliation
PA-013	11:45 AM	11:55 AM	Artunduaga, Maddy	CTA EVALUATION OF IMPLANTABLE VENTRICULAR ASSIST DEVICES IN CHILDREN: EXPERIENCE AT A LARGE CHILDREN'S HOSPITAL
PA-014	11:55 AM	12:05 PM	Artunduaga, Maddy	PRESURGICAL ASSESSMENT OF TOTAL ANOMALOUS VENOUS CONNECTIONS WITH LOW-DOSE CT ANGIOGRAPHY: ADDING VALUE TO ECHOCARDIOGRAPHY

## WEDNESDAY - MAY 17, 2017

4:10 PM

5:10 PM

### Scientific Session II-A: Gastrointestinal Radiology – Appendicitis

Govind B. Chavhan, MD and Misun Hwang, MD, Moderators

PA-015	4:10 PM	4:20 PM	Rosenbaum, Daniel	Differentiating perforated from non-perforated appendicitis on contrast-enhanced MRI
PA-016	4:20 PM	4:30 PM	Nocera, Nicole	Visualization of the normal appendix in children on MRI using radial VIBE – a contrast enhanced, free-breathing, radially sampled, 3D T1-weighted, gradient-echo sequence
PA-017	4:30 PM	4:40 PM	Shamir, Stephanie	Are Diagnostic Imaging Studies for Appendicitis Overdone in Sickle Cell Disease Patients?
PA-018	4:40 PM	4:50 PM	Mahmood, Nadia	Impact of an educational intervention on the diagnostic performance of ultrasound for differentiating perforated and non-perforated pediatric appendicitis
PA-019	4:50 PM	5:00 PM	Aronberg, Ryan	Efficacy and Feasibility of MRI in the Diagnosis of Pediatric Appendicitis: A Pilot Program in the Community Hospital Setting
PA-020	5:00 PM	5:10 PM	Bacon, Patrick	Minimizing Extraneous Z-axis Coverage During CT Evaluation for Appendicitis - A Continuing Quality Improvement Project

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5:10 PM

### Scientific Session II-B: Informatics & Education

Alexander J. Towbin, MD and Jonathan Zember, MD, Moderators

PA-021	4:10 PM	4:20 PM	Shah, Summit	Business Process Evaluation of Pediatric Radiology Workflow, Disruptions, and Turn Around Times
PA-022	4:20 PM	4:30 PM	Guillerman, R.	Absence of Evidence is Not Evidence of Absence: A Pervasive Fallacy of Inference in Pediatric Radiology Scientific Abstracts
PA-023	4:30 PM	4:40 PM	Perchik, Jordan	Citation analysis of pediatric radiology articles: 4 general radiology journals vs. Pediatric Radiology
PA-024	4:40 PM	4:50 PM	Perez, Maria	The PAWS Program - first Lassie, now Lucy! A quality improvement program to reduce GA in pediatric MRI.
PA-025	4:50 PM	5:00 PM	Zember, Jonathan	Virtual Radiology Rounds in the PICU: Assessing the Impact
PA-026	5:00 PM	5:10 PM	El-Ali, Alexander	Resident Led Undergraduate Pediatric Radiology Education: A Radiopedia based approach

4:10 PM

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### Scientific Session II-C: Interventional Radiology – Vascular Access and Intervention

Glen Siedel, MD and Maria A. Bedoya, MD, Moderators

PA-027	4:10 PM	4:20 PM	Fernandopulle, Nigel	HHT-related pulmonary AVMs (PAVMs) in children: efficacy of endovascular therapy
PA-028	4:20 PM	4:30 PM	Teplisky, Dario	Radiological spectrum of Klippel-Trenaunay syndrome in a third level pediatric hospital in Argentine.
PA-029	4:30 PM	4:40 PM	Sundararajan, Sri Hari	Balloon Occlusion as an Adjunctive Technique for Percutaneous Sclerotherapy of Venous Malformations
PA-030	4:40 PM	4:50 PM	Moturu, Anoosha	Infection Rates for PICCs in Oncology Patients
PA-031	4:50 PM	5:00 PM	Bedoya, Maria	Implantable Venous Access Devices in Boys with Severe Hemophilia: at a tertiary pediatric institution
PA-032	5:00 PM	5:10 PM	Acord, Michael	Port-catheters in infants: interventional radiology experience in a tertiary pediatric center

# THURSDAY - MAY 18, 2017

## 8:30 AM 9:30 AM Radiographer Scientific Session

Stephen F. Simoneaux, MD, Moderator

PA-001(R)	8:30 AM	8:40 AM	Gandor, Patricia	Ultrasound Shear Wave Elastography Of The Neurogenic Bladder
PA-002(R)	8:40 AM	8:50 AM	O'Connor, Michelle	Optimal CT protocols for abdominal scanning of obese paediatric patients: a phantom study
PA-003(R)	8:50 AM	9:00 AM	Curran, David	1123 MIBG scintigraphy: Whole body and Static Imaging in Paediatric Patients
PA-004(R)	9:00 AM	9:10 AM	Payne, Michael	The Utilization of Cone Beam CT and Live 3D Image Guidance in the Treatment of Pediatric Osteoid Osteoma

## 10:25 AM 11:50 AM Scientific Session III-A: Genitourinary Radiology – Ureters, Bladder, Gonads

Kassa Darge, MD, PhD and Hansel J. Otero, MD, Moderators

10:25 - 10:40 a.m.

### Contrast US for the Genitourinary Tract in Children

Susan J. Back, MD, FAAP

PA-033	10:40 AM	10:50 AM	Smith, Ethan	Ultrasound elastography of the bladder wall: Does bladder wall stiffness measured by ultrasound correlate with urodynamic evidence of bladder dysfunction?
PA-034	10:50 AM	11:00 AM	Hwang, Misun	Ultrasound Estimated Bladder Weight Correlates with Videourodynamic Studies in Neurogenic Bladder Dysfunction
PA-035	11:00 AM	11:10 AM	Back, Susan	Rater Reliability of Postnatal Urinary Tract Dilation (UTD) Consensus Classification
PA-036	11:10 AM	11:20 AM	Cruz Romero, Cinthia	Imaging risk factors associated with clinical outcomes in infants with UTD seen on postnatal US
PA-037	11:20 AM	11:30 AM	Lehnert, Stephen	The prevalence of malignant testicular tumors is age dependent
PA-038	11:30 AM	11:40 AM	Yoon, Haesung	Shear wave elastography of testis with varicocele
PA-039	11:40 AM	11:50 AM	Hagedorn, Kelly	Characterization of the ovaries using shear wave elastography

## 10:25 AM 11:50 AM Scientific Session III-B: Fetal/Neonatal Imaging – Fetal Pathology

Dorothy I. Bulas, MD, FACR, FAAP and Ryne Didier, MD, Moderators

10:25 - 10:40 a.m.

### Fetal MRI: Tips and Tricks

Mariana L. Meyers, MD

PA-040	10:40 AM	10:50 AM	Kim, Helen HR	Absent Ductus Venosus in the Fetus: Associated Anomalies and Clinical Outcome.
PA-041	10:50 AM	11:00 AM	Radhakrishnan, Rupa	Fetal MRI assessment of prenatal brain injury in congenital diaphragmatic hernia
PA-042	11:00 AM	11:10 AM	Hirsig, Leslie	Is MRI necessary for evaluation of candidates for fetal NTD repair?
PA-043	11:10 AM	11:20 AM	Krishnasarma, Rekha	Predicting Difficult Airway at Birth in Micrognathia: A Retrospective Review of Fetal MRI and Postnatal Outcomes
PA-044	11:20 AM	11:30 AM	Oliver, Edward	Fetal Thoracic Teratomas: Can Prenatal Imaging Differentiate Types?
PA-045	11:30 AM	11:40 AM	Maya, Carolina	Fetal MRI findings of bronchopulmonary sequestration; correlation with postnatal imaging and surgical/pathologic findings
<sup>1</sup> PA-046	11:40 AM	11:50 AM	Guimaraes, Carolina	Does the severity of hindbrain herniation in fetuses with Chiari II malformation predict the need for postnatal hydrocephalus treatment after in utero intervention?

## THURSDAY - MAY 18, 2017 (Continued)

10:25 AM

11:50 AM

### Scientific Session III-C: Quality Improvement

Janet R. Reid, MD, FRCPC and Gregory A. Vorona, MD, Moderators

10:25 - 10:40 a.m.

#### Starting a Pediatric Radiology Quality Improvement Project: Some Tips!

Kimberly E. Applegate, MD, MS, FACR

PA-047	10:40 AM	10:50 AM	Guimaraes, Carolina	Implementing a Systematic Approach to Improve Governance and Deployment of Imaging (IMG) Codes in Pediatric Radiology
PA-048	10:50 AM	11:00 AM	Mirza, Sobia	Can I say it? Radiologists' and providers' attitudes towards mentioning "obesity" in the radiology report
PA-049	11:00 AM	11:10 AM	Guimaraes, Carolina	Comparison between Manual Auditing and an Automated Auditing Software Program to Evaluate Faculty Use of Standardized Reports in Radiology
PA-050	11:10 AM	11:20 AM	Grzeszczuk, Robert	A Tool to Analyze Radiologists' Reporting Styles and Provide Feedback as a Means for Self-Improvement
PA-051	11:20 AM	11:30 AM	Donnelly, Lane	Transition from Peer Review to Peer Collaborative Improvement – Experience in a Large Pediatric Radiology Department
PA-052	11:30 AM	11:40 AM	Kan, J.	Radiographic imaging quality at pediatric urgent care centers staffed by technologists versus non-technologists.
PA-053	11:40 AM	11:50 AM	Vatsky, Seth	Implementation of Crew Resource Management Principles in Pediatric Interventional Radiology

1:30 PM

3:40 PM

### Scientific Session IV-A: Gastrointestinal Radiology – Liver Imaging

Jonathan R. Dillman, MD, MSc and David Dinan, MD, Moderators

1:30 - 1:45 p.m.

#### Detection of Bile Leak with Liver-Specific MR Contrast Agent

Hansel J. Otero, MD

PA-054	1:45 PM	1:55 PM	Farmakis, Shannon	Shear wave sonoelastography correlates with liver biopsy fibrosis scores in pediatric patients with liver disease
PA-055	1:55 PM	2:05 PM	Smith, Ethan	Comparison of T2 relaxometry and multi-echo Dixon method for measuring liver iron content by MRI
PA-056	2:05 PM	2:15 PM	Trout, Andrew	Real-time 3D printed pathologic sectioning boxes to facilitate radiologic-pathologic correlation in hepatectomy cases
PA-057	2:15 PM	2:25 PM	Roberts, Preston	Central Macroregenerative Nodules in Obstructive Cholangiopathies and Biliary Cirrhosis: Not Limited to Alagille Syndrome
PA-058	2:25 PM	2:35 PM	Thumar, Vishal	Can Ultrasound be Used to Risk Stratify SOS Patient Outcomes?
PA-059	2:35 PM	2:45 PM	Isaacson, Jared	Normal Liver ARFI Sono Elastography Despite Significant Fibrosis in Children with Cystic Fibrosis Liver Disease
PA-060	2:45 PM	2:55 PM	Lee, Mi-Jung	Relationship between shear wave elastography and transient elastography for the interpretation of liver stiffness measurements by various transducers: A phantom study and the application to children with biliary atresia
PA-061	2:55 PM	3:05 PM	Yoon, Haesung	Hepatic stiffness assessment in biliary atresia patients after Kasai operation: Correlation between MR elastography and transient elastography

## THURSDAY - MAY 18, 2017 (Continued)

**1:30 PM      3:40 PM      Scientific Session IV-A: Gastrointestinal Radiology – Liver Imaging (Continued)**

PA-062	3:05 PM	3:15 PM	Ozkan, Mehmet	Diagnostic accuracy of Acoustic Radiation Force Impulse Elastography at the staging of hepatic fibrosis in pediatric age population: a pooled meta-analysis.
PA-063	3:15 PM	3:25 PM	Naidu, Anjani	Diagnostic accuracy of Acoustic Radiation Force Impulse Elastography at the staging of hepatic fibrosis in pediatric age population: a pooled meta-analysis.
PA-064	3:25 PM	3:35 PM	Erdem Toslak, Iclal	MR Elastography as an alternative to Disease Severity Scoring System for patients with Gaucher Disease.
				PACS-based quantitative gray-scale ultrasound analysis in pediatric patients with diffuse liver diseases

**1:30 PM      3:40 PM      Scientific Session IV-B: Musculoskeletal Imaging – Oncology, Inflammation, Infection**  
*Heike E. Daldrup-Link, MD, PhD and Bamidele Kammen, MD, Moderators*

1:30 - 1:45 p.m.

**Whole Body MRI and Fever of Unknown Origin - Where Do We Stand?**  
 Nancy A. Chauvin, MD

PA-065	1:45 PM	1:55 PM	Waelti, Stephan	Beware of venous ectasia in Rapidly Involuting Congenital Hemangiomas (RICH)
PA-066	1:55 PM	2:05 PM	LeMoine, Benjamin	A Retrospective Review of Ultrasound Characteristics of Newfound Soft Tissue Masses at a Tertiary Pediatric Medical Center
PA-067	2:05 PM	2:15 PM	Schallert, Erica	Update in pediatric giant cell tumors of bone: transphyseal extension and proportion of cystic versus solid imaging components.
PA-068	2:15 PM	2:25 PM	Matzinger, Mary Ann	Bone Morbidity and Recovery in Children with Leukemia: Results of a Six-Year Prospective Longitudinal Study
PA-069	2:25 PM	2:35 PM	Kaplan, Summer	Ultrasound features of sonographically occult soft tissue abscess
PA-070	2:35 PM	2:45 PM	MacKenzie, John	PET-MRI detection and SUV characterization of inflammation in patients with juvenile idiopathic arthritis
PA-071	2:45 PM	2:55 PM	Hameed, Shema	Chronic Recurrent Multifocal Osteomyelitis of the Clavicle: Can imaging differentiate between other entities?
PA-072	2:55 PM	3:05 PM	Chauvin, Nancy	Feasibility of the Spondyloarthritis Research Consortium of Canada Sacroiliac Joint Structural Score and Inflammation Score for Children with Spondyloarthritis
PA-073	3:05 PM	3:15 PM	MacKenzie, John	Value of dedicated high-resolution versus lower-resolution screening MRI for evaluation of pediatric sacroiliitis.
PA-074	3:15 PM	3:25 PM	Junhasavasdikul, Thitiporn	Developing a Reference Database for Temporomandibular Joints in Healthy Subjects
PA-075	3:25 PM	3:35 PM	Baker, Scott	Contrast enhanced MRI compared to direct joint visualization at arthroscopy in pediatric patients with suspected temporomandibular joint synovitis

## THURSDAY - MAY 18, 2017 (Continued)

1:30 PM

3:40 PM

### Scientific Session IV-C: Neuroradiology

*Dennis W. Shaw, MD and Vinay Kandula, MD, Moderators*

1:30 - 1:45 p.m.

### Neuroimaging Findings in Congenital Zika Syndrome

Thierry A. G. M. Huisman, MD

PA-076	1:45 PM	1:55 PM	Fullner, Jonathan	Infant Subdural Hemorrhage: Imaging Characteristics that Differentiate Abusive Head Trauma from Other Etiologies
PA-077	1:55 PM	2:05 PM	Maloney, Ezekiel	Follow-up MRI Examinations for Optic Pathway Gliomas: is Gadolinium Necessary?
PA-078	2:05 PM	2:15 PM	Rollins, Nancy	Dynamic Arterial Compression in Pediatric Vertebral Arterial Dissection: Diagnosis and Management
PA-079	2:15 PM	2:25 PM	Andronikou, Savvas	Distribution of the watershed zone in term hypoxia demonstrated in multiple media
PA-080	2:25 PM	2:35 PM	Trinh, Austin	Cerebral Deoxyhemoglobin Imaging: A biomarker for poor neurological outcomes in neonates who received hypothermia therapy for hypoxic ischemic encephalopathy
PA-081	2:35 PM	2:45 PM	Zhang, Wei	Prediction of Cognitive Benefit after Successful Epilepsy Surgery
PA-082	2:45 PM	2:55 PM	Starosolski, Zbigniew	Gender dependent cerebrovascular changes in mouse model of Moyamoya Disease correlated with observation in pediatric patients' population
PA-083	2:55 PM	3:05 PM	Towbin, Alexander	Relationship of multiple administrations of gadopentetate dimeglumine and T1-weighted signal intensity in the brain of children
PA-084	3:05 PM	3:15 PM	Chu, Zili	Architecture of the Language Network is Associated with Language Function in Children with Epilepsy
PA-085	3:15 PM	3:25 PM	Alsabban, Zehour	Utility of Skull Views in Skeletal Surveys of Children with Suspected Non-accidental Injury Who Are Also Undergoing Head CT
PA-086	3:25 PM	3:35 PM	Kilborn, Tracy	Screening T2 of the neck, chest and abdomen assists in the diagnosis of TB in paediatric patients with tuberculous spondylitis.

## THURSDAY - MAY 18, 2017 (Continued)

4:15 PM

5:45 PM

### Scientific Session V-A: Gastrointestinal Radiology - Fluoroscopic and Radiographic Abdominal Imaging

Ethan A. Smith, MD and Shankar Rajeswaran, MD, Moderators

4:15 -4:30 p.m.

#### Vascular Anomalies: An Update

Gulraiz A. Chaudry, MBChB, MRCP, FRCR

PA-087	4:30 PM	4:40 PM	Thompson, Benjamin	Standardization of the Radiologic Procedures for Pediatric Videofluoroscopic Swallow Studies using a Quality Improvement Protocol
PA-088	4:40 PM	4:50 PM	Jamieson, Douglas	Human "in vivo" Continuous Pressure and Flow Rate measurement in Pneumatic Reduction of Intussusception
PA-089	4:50 PM	5:00 PM	Pritchett, Meredith	Diagnostic yield of upper gastrointestinal series (UGI) in pediatric patients
PA-090	5:00 PM	5:10 PM	Hemmingsen, Lauren	Diagnostic yield of fluoroscopic contrast enema studies in pediatric patients
PA-091	5:10 PM	5:20 PM	Baad, Michael	Contrast Enema in Neonates Revisited: Experience at a Large Pediatric Hospital
PA-092	5:20 PM	5:30 PM	Barnewolt, Carol	Rotation Esophagoplasty: What is it and why do I need to know?
PA-093	5:30 PM	5:40 PM	Bingham, Kendall	Computer Aided Detection of Feeding Tubes in Radiographs

4:15 PM

5:45 PM

### Scientific Session V-B: Cardiovascular MRI, Miscellaneous

Prakash M. Masand, MD and Gauri S. Tilak, MD, PhD, MPH, Moderators

4:15 -4:30 p.m.

#### Cardiac MRI or Cardiac CT - Making the Right Choice

Cynthia K. Rigsby, MD, FACR

PA-094	4:30 PM	4:40 PM	Pokorney, Amber	Non-Contrast, Flow-Independent, Relaxation-Enhanced MR Angiography with an Inversion Recovery and T2-Prepared 3D Fat-Suppressed Technique: Preliminary Experience in Children
PA-095	4:40 PM	4:50 PM	Vasanawala, Shreyas	Ultra-High Spatiotemporal Resolution 4D Flow for Valve and Coronary Arterial Delineation
PA-096	4:50 PM	5:00 PM	Deng, Jie	Whole-Heart Magnetic Resonance Angiography at 1.5 Tesla with Extracellular Contrast
PA-097	5:00 PM	5:10 PM	Git, Kim-Ann	A Novel Automated Open-Source SNR-Based Method to Calculate T2* Values of the Heart and Liver in Iron Overload Assessment
PA-098	5:10 PM	5:20 PM	Munden, Martha	Ultrasound Shear Wave Elastography for Evaluating Liver Stiffness in Fontan Patients
PA-099	5:20 PM	5:30 PM	Starosolski, Zbigniew	3D printed flexible cardiac model for virtual implantation of HeartWare ventricular assist device in a pediatric patient
PA-100	5:30 PM	5:40 PM	Greenberg, S Bruce	Determining the Normal Pulmonary Artery and Branch Pulmonary Sizes in Children



## THURSDAY - MAY 18, 2017 (Continued)

4:15 PM

5:45 PM

### Scientific Session V-C: Interventional Radiology – Abdominal and Musculoskeletal Intervention

*Manish N. Patel, DO and Mesha Martinez, MD, Moderators*

4:15 -4:30 p.m.

### Transplant Interventions: Tips and Tricks

Matthew P. Lungren, MD, MPH

PA-101	4:30 PM	4:40 PM	Gallagher, Nicholas	Placement of percutaneous, de novo low-profile gastrojejunostomy tubes in infants and children: A study of feasibility, safety, and clinical efficacy.
PA-102	4:40 PM	4:50 PM	Pohlman, Joshua	Biliary Hypoplasia: An informative finding on percutaneous cholecystocholangiography in infants with persistent jaundice.
PA-103	4:50 PM	5:00 PM	Hayatghaibi, Shireen	Percutaneous Ultrasound Guided Liver Biopsy in Infants: Is it safe?
PA-104	5:00 PM	5:10 PM	Shellikeri, Sphoorti	Collimation, Radiation Dose and Image Quality of Collimated C-arm Computed Tomography images in Pediatric patients
PA-105	5:10 PM	5:20 PM	Akhter, Talal	Percutaneous biopsy and radiofrequency ablation for diagnosis and treatment of non-conventional osteoid osteomas at a single pediatric institution.
PA-106	5:20 PM	5:30 PM	Waelti, Stephan	Aneurysmal bone cysts: comparison of percutaneous sclerosing treatment and surgical treatment in pediatric patients
PA-107	5:30 PM	5:40 PM	Amaral, Joao	Ultrasound Guided Percutaneous Muscle Biopsy in Children

## FRIDAY - MAY 19, 2017

10:10 AM

11:00 AM

### Scientific Session VI-A: Contrast Materials

*Shreyas S. Vasanawala, MD, PhD and Daniel Podberesky, MD, Moderators*

PA-108	10:10 AM	10:20 AM	Koob, Mériam	Gadoterate meglumine pharmacokinetics, safety and efficacy in pediatric subjects aged <2 years
PA-109	10:20 AM	10:30 AM	Forbes-Amrhein, Monica	Frequency and Severity of Acute Allergic-Like Reactions to IV Gadolinium-Based Contrast Media in Children
PA-110	10:30 AM	10:40 AM	Stanescu, A. Luana	Gadolinium tissue retention in pediatric patients after contrast-enhanced MR exams: pathologic confirmation.
PA-111	10:40 AM	10:50 AM	Towbin, Alexander	Comparison of brain T1-weighted signal intensity after administration of multiple doses of gadopentetate dimeglumine and gadoterate meglumine.
PA-112	10:50 AM	11:00 AM	Back, Susan	Don't burst your bubbles! How contrast administration can affect pediatric contrast enhanced ultrasound



## FRIDAY – MAY 19, 2017 (Continued)

10:10 AM

11:00 AM

### Scientific Session VI-B: ALARA

Donald P. Frush, MD, FACR and Keith Strauss, MSc, FAAPM, FACR, Moderators

PA-113	10:10 AM	10:20 AM	Strauss, Keith	Pediatric Chest CT Diagnostic Reference Ranges and Their Site Specific Application
PA-114	10:20 AM	10:30 AM	Pritchett, Meredith	Radiation exposure and effective dose from upper gastrointestinal series (UGI) in children
PA-115	10:30 AM	10:40 AM	Frush, Don	Beyond the “In”-Effective Dose: Risk Indexing for Pediatric Body CT
PA-116	10:40 AM	10:50 AM	Ndolo, Josephine	Pediatric thyroid radiation dose: Comparison of Head and Cervical Spine CT with Cervical Spine radiography.
PA-117	10:50 AM	11:00 AM	Sanchez, Adrian	Portable Abdomen Radiography: Moving to Thickness-Based Protocols

10:10 AM

11:00 AM

### Scientific Session VI-C: Thoracic Imaging – Lung Diseases

Beverly Newman, MD and Abbey J. Winant, MD, MFA, Moderators

PA-118	10:10 AM	10:20 AM	Nguyen, HaiThuy	Clinico-Radiologic Diagnosis of Pleuroparenchymal Fibroelastosis in Children
PA-119	10:20 AM	10:30 AM	Ledbetter, Karyn	Optimizing CT imaging of congenital lung lesions to maximize diagnostic accuracy and minimize patient dose.
PA-120	10:30 AM	10:40 AM	LeMoine, Benjamin	The High Resolution Computed Tomography Characteristics of Thyroid Transcription Factor 1 Deficiency
PA-121	10:40 AM	10:50 AM	JANA, MANISHA	Pattern recognition in Pediatric Diffuse lung diseases (DLD): a tertiary care centre experience
PA-122	10:50 AM	11:00 AM	Olson, Emilia	Toward Quantitative Measurement of Premature Lung Disease in the Unsedated Neonate: Pulmonary Arterial Flow via Phase Contrast MRI

11:35 AM

1:00 PM

### Scientific Session VII-A: Gastrointestinal Radiology – Abdominal MRI, Miscellaneous

Sudha A. Anupindi, MD and Judy H. Squires, MD, Moderators

11:35 -11:50 a.m.

#### DWI in Crohn's Disease: An Update

Ethan A. Smith, MD

PA-123	11:50 AM	12:00 PM	Hayes, Roisin	Bleeding Meckel's Diverticulum: A Study of the Accuracy of Pertechnetate Scintigraphy as a Diagnostic Tool in children
PA-124	12:00 PM	12:10 PM	Singh, Kamalpreet	Toward quantitative assessment of pancreatic atrophy: Defining normal pancreatic thickness on CT and MRI
PA-125	12:10 PM	12:20 PM	Lee, Mi-Jung	MR cholangiography based decision making tree model for diagnosis of biliary atresia
PA-126	12:20 PM	12:30 PM	Graeber, Brendon	Gadoxetate Disodium-Enhanced MR Cholangiography Improves Detection and Characterization of Biliary Complications Following Pediatric Liver Transplant
PA-127	12:30 PM	12:40 PM	Zucker, Evan	Free-Breathing Abdomen MR with Self-Navigated Golden-Angle Ordered Conical Ultrashort Echo Time (UTE) Imaging: Feasibility, Image Quality, and Effects of Data Subsampling and Motion Correction
PA-128	12:40 PM	12:50 PM	Anupindi, Sudha	MR Enterography Second Reader Model for Subspecialty Focus within a Generalized Practice
PA-129	12:50 PM	1:00 PM	Lee, Jacob	Sensitivity and Specificity of Abdominal Ultrasound in Diagnosing Necrotizing Enterocolitis in Preterm Infants: A Meta-Analysis

## FRIDAY – MAY 19, 2017 (Continued)

11:35 AM 1:00 PM

### Scientific Session VII-B: Fetal/Neonatal Imaging- Neonatal and Placental Disorders, Fetal Imaging Techniques

*Ricardo Faingold, MD and Camilo Jaimes, MD, Moderators*

11:35 -11:50 a.m.

#### To 3T or Not 3T

Teresa Victoria, MD, PhD

PA-130	11:50 AM	12:00 PM	Bulas, Dorothy	CXR reduction protocol in the Neonatal Intensive Care Unit (NICU) – Lessons Learned
PA-131	12:00 PM	12:10 PM	Nasralla, James	Bilious Emesis in the Neonate: Can Radiographs Distinguish a Distal Obstruction?
PA-132	12:10 PM	12:20 PM	Smithimedhin, Anilawan	MRI Determination of Normal Volumes for the Upper Airway and Pharyngeal Lymphoid Tissue in Preterm and Term Infants
PA-133	12:20 PM	12:30 PM	El-Ali, Alexander	BOLD MR Imaging of Placenta in Congenital Heart Disease: Initial Experience
PA-134	12:30 PM	12:40 PM	Ghaghada, Ketan	Contrast-enhanced MRI Evaluation of Placental Margins Using a Nanoparticle Blood Pool Contrast Agent: Pre-clinical Testing in a Pregnant Rat Model
PA-135	12:40 PM	12:50 PM	Didier, Ryne	Evaluation of fetal abnormalities by echo-planar magnetic resonance imaging at 3 Tesla with decreased artifact when compared to single shot fast spin echo sequences
PA-136	12:50 PM	1:00 PM	Jaimes, Camilo	Does 3T fetal MRI induce adverse acoustic effects in the neonate? A preliminary study comparing postnatal auditory test performance of fetuses scanned at 1.5 and 3T MRI.

11:35 AM 1:00 PM

### Scientific Session VII-C: Musculoskeletal Imaging – Growth and Development, Spine, Hip

*Mahesh M. Thapa, MD and Kamaldine Oudjhane, MD, MSc, Moderators*

11:35 -11:50 a.m.

#### Basics of MSK Ultrasound

Delma Y. Jarrett, MD

PA-137	11:50 AM	12:00 PM	Bedoya, Maria	Normal Meniscal Growth in Children using conventional MRI evaluation
PA-138	12:00 PM	12:10 PM	Halabi, Safwan	Performance of a Deep Neural Network Learning Model in Assessing Skeletal Maturity on Pediatric Hand Radiographs
PA-139	12:10 PM	12:20 PM	Ponrartana, Skorn	Small cross-sectional vertebral area and its relationship to lumbar lordosis and spondylolysis.
PA-140	12:20 PM	12:30 PM	Bronzo, Kayla	Clinical update on the prevalence of spondylolysis and spondylolesthesis in 1,502 pediatric patients using computed tomography
PA-141	12:30 PM	12:40 PM	Jaremko, Jacob Lester	Does adding a new index of acetabular rounding improve accuracy of hip dysplasia diagnosis from 3D ultrasound? A pilot study.
PA-142	12:40 PM	12:50 PM	Jaremko, Jacob Lester	Multi-reader reliability of 3D acetabular surface model generation and of hip dysplasia index calculation from 3D ultrasound.
PA-143	12:50 PM	1:00 PM	Jaremko, Jacob Lester	Prediction of contact pressure in infant hips treated by Pavlik harness: a patient-specific finite element simulation.

## FRIDAY - MAY 19, 2017 (Continued)

**4:15 PM      5:50 PM      Scientific Session VIII-A: Thoracic/Genitourinary Imaging - Miscellaneous  
Thoracic and Urinary Tract Imaging**

*Gloria Soto, MD and Teresa Chapman, MD, MA, Moderators*

4:15 -4:30 p.m.

**US Imaging of the Diaphragm**  
Monica Epelman, MD

PA-144	4:30 PM	4:40 PM	Emerson, Miriam	Contrast Enhanced Voiding Urosonography: The bumpy road to the perfect protocol
PA-145	4:40 PM	4:50 PM	Balza, Rene	Impact of a fast free-breathing 3T abdominal MRI protocol in improving scan time and image quality for pediatric patients with tuberous sclerosis complex.
PA-146	4:50 PM	5:00 PM	May, Lauren	Evaluation of Imaging Criteria for Localized Cystic Disease of the Kidney in the Pediatric Setting
PA-147	5:00 PM	5:10 PM	Kapur, Jeevesh	CONTRAST ENHANCED ULTRASOUND OF KIDNEYS IN CHILDREN WITH RENAL FAILURE
PA-148	5:10 PM	5:20 PM	Siegel, Marilyn	Single Energy CT with Tin filtration for Pulmonary Nodule Detection: Phantom Study Using Exposures as low as 10 microGray
PA-149	5:20 PM	5:30 PM	Otrakji, Alexi	Can dose-neutral dual energy CT pulmonary angiogram replace single energy CT in children?
PA-150	5:30 PM	5:40 PM	Zucker, Evan	Self-Navigated Golden-Angle Ordered Conical Ultrashort Echo Time (UTE) Chest MR: Comparison with 4D Flow and Effects of Data Subsampling and Motion Correction
PA-151	5:40 PM	5:50 PM	Rowe, Erin	MRI Assessment of Regional Differences in Pulmonary Perfusion in Infants and Toddlers with Cystic Fibrosis

**4:15 PM      5:50 PM      Scientific Session VIII-B: Musculoskeletal Imaging – Skeletal Trauma**

*Erika Rubesova, MD and Pooja Renjen, MD, Moderators*

4:15 -4:30 p.m.

**Skeletal Weakness and Vulnerability to Trauma**  
Diego Jaramillo, MD, MPH

PA-152	4:30 PM	4:40 PM	Marine, Megan	Ultrasound Findings in Classic Metaphyseal Lesions: Emphasis on the Subperiosteal Bone Collar Changes.
PA-153	4:40 PM	4:50 PM	Tsai, Andy	The Distal Tibial Classic Metaphyseal Lesion: Radiographic Spatial Distribution and Biomechanical Implications
PA-154	4:50 PM	5:00 PM	Kan, J.	Two-view versus three-view radiographs for the evaluation of distal tibial toddler fractures
PA-155	5:00 PM	5:10 PM	O'Dell, Matthew	MR Imaging Features of Cuboid Fractures in Children
PA-156	5:10 PM	5:20 PM	Kaplan, Summer	Buckle fracture of the proximal tibia: Association with trampoline and inflatable bouncer use
PA-157	5:20 PM	5:30 PM	Jadhav, Siddharth	Comparison of 3T and 1.5 T MRI for evaluation of meniscal and ACL injuries in the pediatric population
PA-158	5:30 PM	5:40 PM	Jadhav, Siddharth	Diagnostic Performance of State-of-the-Art Knee MRI for Meniscal and Anterior Cruciate Ligament Injuries in the Pediatric Population
PA-159	5:40 PM	5:50 PM	Garcia, Kathryn	Stress Injuries and Physiological Adaptations in the Fingers of Adolescent Competitive Rock Climbers: Evaluation by Ultrasound and MRI

## FRIDAY - MAY 19, 2017 (Continued)

4:15 PM

5:50 PM

### Scientific Session VIII-C: Oncology

*Stephan D. Voss, MD, PhD and Rama S. Ayyala, MD, Moderators*

4:15 -4:30 p.m.

### Contrast Enhanced Ultrasound in Pediatric Oncology

Jamie L. Coleman, MD

PA-160	4:30 PM	4:40 PM	Cruz Romero, Cinthia	Pediatric Alveolar Rhabdomyosarcomas: genetic influence on imaging features.
PA-161	4:40 PM	4:50 PM	Ghaghada, Ketan	Quantitative 3D Imaging of Heterogeneous Nanoparticle Uptake in Orthotopic Mouse Models of High-risk Neuroblastoma
PA-162	4:50 PM	5:00 PM	Eksioglu, Secil	Our experience with co-registered diagnostic CT scan for I-123 mIBG SPECT/CT in children with neuroblastoma
PA-163	5:00 PM	5:10 PM	Sandberg, Jesse	Pediatric renal medullary carcinoma - distinctive imaging findings: a report from the Children's Oncology Group
PA-164	5:10 PM	5:20 PM	MacKenzie, John	Sub-mSv Whole Body PET/MRI in Pediatric Patients
PA-165	5:20 PM	5:30 PM	Marie, Eman	The use of early interim positron emission tomography/computed tomography (PET-CT) in the assessment and prognostication of pediatric Hodgkin lymphoma
PA-166	5:30 PM	5:40 PM	Schooler, Gary	Utilization and Procedural Trends in Pediatric Whole Body MRI: Survey of the SPR Membership
PA-167	5:40 PM	5:50 PM	Bardo, Dianna	Subjective Differences in Solid Tumor Measurements by Pediatric Radiologists Results in Inconsistent Reporting of Tumor Burden Which Could Adversely Affect Treatment Decisions