

PEDIATRIC RADIOLOGY

104TH Scientific Assembly and Annual Meeting

Radiological Society of North America
McCormick Place, Chicago

November 25-30

Meeting.RSNA.org #RSNA18

RSNA[®] 2018
TOMORROW'S
RADIOLOGY TODAY

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Accreditation and Designation Statements

The Radiological Society of North America (RSNA®) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The RSNA designates this live activity for a maximum of **99.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Commission on Accreditation of Medical Physics Education Program (CAMPEP) has approved the direct transfer of *AMA PRA Category 1 Credit™* to MPCEC on a credit-for-credit basis for medical physicists.

Corporate Symposium

Please refer to each course description in the online program to determine if CME credit is offered for the session. Instructions on claiming credit will be provided during the course. CME credit for the Corporate Symposiums will be provided through a third party provider and not through RSNA.

Walk Through The Week

CME Learning Checkpoint

CME Learning Checkpoint Exhibit ED024 (Spectrum of Pineal Region Tumors in Pediatric Patients: A Pictorial Review)

Session ED024 . . . CME Learning Checkpoint Community

CME Learning Checkpoint Exhibit ED025 (Comprehensive Review of Pediatric Liver MR Elastography (MRE): Techniques, Tips, and Common Indications)

Session ED025 . . . CME Learning Checkpoint Community

SUNDAY, NOV 25, 2018

Case of the Day

Pediatric Sunday Case of the Day

Session ED012-SU Case of Day, Learning Center

10:45 AM–12:15 PM

Educational Courses

Pediatric Series: Neuroradiology

Course VSPD01 S406A

12:30–1:00 PM

Posters and Exhibits: Discussions

Pediatric Sunday Poster Discussions

Session PDS-SUA PD Community, Learning Center

1:00–1:30 PM

Posters and Exhibits: Discussions

Pediatric Sunday Poster Discussion

Session PDS-SUB PD Community, Learning Center

2:00–3:30 PM

Educational Courses

Pediatric Series: Fetal/Neonatal Imaging

Course RC113 E352

4:00–5:45 PM

Plenary Sessions

Sunday Afternoon Plenary Session

Session PS12 Arie Crown Theater

MONDAY, NOV 26, 2018

Case of the Day

Pediatric Monday Case of the Day

Session ED012-MO Case of Day, Learning Center

8:30–10:00 AM**Educational Courses**

CT Dose Monitoring: Nuts, Bolts, and Tools... and What We
Need to Build

Course RC224 N229

8:30 AM–12:00 PM**Educational Courses**

Pediatric Series: Pediatric Chest/Cardiovascular Imaging

Course RC213 E353B

12:15–12:45 PM**Posters and Exhibits: Discussions**

Pediatric Monday Poster Discussions

Session PDS-MOA PD Community, Learning Center

12:45–1:15 PM**Posters and Exhibits: Discussions**

Pediatric Monday Poster Discussions

Session PDS-MOB PD Community, Learning Center

1:30–3:00 PM**Corporate Symposium**

Samsung Innovations for Patient Care - Pediatric, CEUS, and
Advanced DR: Presented by Samsung

Session CS24 S102AB

1:30–3:00 PM**Educational Courses**

Case-based Review of the Abdomen (Interactive Session)

Course MSCA21 S100AB

3:00–4:00 PM**Scientific Papers Sessions**

Pediatrics (Oncology and Nuclear Medicine)

Session SSE21 E353B

TUESDAY, NOV 27, 2018**Case of the Day**

Pediatric Tuesday Case of the Day

Session ED012-TUCase of Day, Learning Center

8:30–10:00 AM**Educational Courses**

Current Imaging of the Appendix

Course RC308 E353C

8:30 AM–12:00 PM**Educational Courses**

Pediatric Series: Musculoskeletal Imaging

Course RC313 **N228****12:15–12:45 PM****Posters and Exhibits: Discussions**

Pediatric Tuesday Poster Discussions

Session PDS-TUA **PD Community, Learning Center****12:45–1:15 PM****Posters and Exhibits: Discussions**

Pediatric Tuesday Poster Discussions

Session PDS-TUB **PD Community, Learning Center****1:30–3:00 PM****Educational Courses**Case-based Review of Nuclear Medicine: PET/CT Workshop-
Abdomen/Pelvis & Pediatrics PET/CT (In Conjunction with
SNMMI) (Interactive Session)**Course MSCC33** **E450B****2:00–3:30 PM****Corporate Symposium**Ultrasound Enhancing Agent Use in the Clinical Setting: An
Up-to-date Overview for Your Clinical Practice: Presented by
Northwest Imaging Forums, educational grant provided by
Bracco Diagnostics, Inc.**Session CS36** **S105D****3:00–6:00 PM****Educational Courses**

Pediatric Series: Gastrointestinal/Genitourinary

Course RC413 **N228****4:30–6:00 PM****Educational Courses**Neuroradiology: Small Tricks to Avoid Big Misses (Interactive
Session)**Course RC405** **E451A**The Role of Molecular and Functional Imaging in Radiation
Oncology**Course RC420** **S403B****WEDNESDAY, NOV 28, 2018****Case of the Day**

Pediatric Wednesday Case of the Day

Session ED012-WE **Case of Day, Learning Center**

8:30–10:00 AM**Educational Courses**

Case-based Review of Pediatric Radiology (Interactive Session)

Course MSCP41 **E450B**

BOOST: Pediatrics–Oncology Anatomy and Case-based Multidisciplinary Review (Interactive Session)

Course MSRO41 **S103CD**

8:30 AM–12:00 PM**Educational Courses**

Pediatric Series: Pediatric Radiology

Course RC513 **S405AB**

10:30 AM–12:00 PM**Educational Courses**

Case-based Review of Pediatric Radiology (Interactive Session)

Course MSCP42 **E450B**

12:15–12:45 PM**Posters and Exhibits: Discussions**

Pediatric Wednesday Poster Discussions

Session PDS-WEA **PD Community, Learning Center**

12:45–1:15 PM**Posters and Exhibits: Discussions**

Pediatric Wednesday Poster Discussions

Session PDS-WEB **PD Community, Learning Center**

1:30–2:30 PM**Educational Courses**

BOOST: Pediatric CNS Tumors and Diagnostic Dilemmas after Radiation Therapy (Interactive Session)

Course MSRO43 **S103CD**

1:30–3:00 PM**Educational Courses**

Essentials of Pediatric Imaging

Course MSES43 **S100AB**

3:00–4:00 PM**Scientific Papers Sessions**

Pediatrics (Interventional Radiology)

Session SSM20 **E260**

4:30–6:00 PM**Educational Courses**

Controversy Session: CT or MRI after Equivocal Appendix Visualization on Pediatric Ultrasound?

Session SPSC43 **N226**

THURSDAY, NOV 29, 2018

Case of the Day

Pediatric Thursday Case of the Day

Session ED012-TH Case of Day, Learning Center

8:30 AM–12:00 PM

Educational Courses

Pediatric Series: Pediatric Safety and Quality

Course RC613 S502AB

10:30 AM–12:00 PM

Educational Courses

Case-based Review of Neuroradiology (Interactive Session)

Course MSCN52 S406A

10:30 AM–12:00 PM

Scientific Papers Sessions

Pediatrics (Neuroradiology)

Session SSQ19 S402AB

12:15–12:45 PM

Posters and Exhibits: Discussions

Pediatric Thursday Poster Discussions

Session PDS-THA PD Community, Learning Center

12:45–1:15 PM

Posters and Exhibits: Discussions

Pediatric Thursday Poster Discussions

Session PDS-THB PD Community, Learning Center

3:00–4:00 PM

Educational Courses

Peds, IR, Potpourri (Case-based Competition)

Session SPDL51 E451B

3:30–5:00 PM

Educational Courses

Case-based Review of Ultrasound (Interactive Session)

Course MSCU52 E450B

4:30–6:00 PM

Educational Courses

Pediatric Neuroimaging Emergencies

Course RC713 S404AB

FRIDAY, NOV 30, 2018**8:30–10:00 AM****Educational Courses**

Review of Pediatric Nuclear Medicine

Course RC811 **E263**

Pediatric Sonography (Interactive Session)

Course RC813 **E353B****10:30 AM–12:00 PM****Scientific Papers Sessions**

Pediatrics (Neuroradiology)

Session SST08 **E263****Posters and Exhibits
Discussions***(CME is available when the author is present for discussion during the lunch period)***SUNDAY, NOV 25, 2018****12:30–1:00 PM****Scientific Posters**

Age Prediction Using Resting-State Functional Connectivity Characteristics in Typically Developing Infants

PD202-SD-SUA3 **Station #3**

Contrast-enhanced MRI Facilitates Monitoring of Feto-placental Unit Development in a Pregnant Mouse Model

PD203-SD-SUA4 **Station #4**

Diagnostic Performance of Computed Tomography to Differentiate Kawasaki Disease from Other Causes of Febrile Cervical Lymphadenopathy

PD200-SD-SUA1 **Station #1**

Initial Experience with Hyperpolarized Carbon-13 Metabolic MRI of Pediatric Patients with Brain Tumors

PD204-SD-SUA5 **Station #5**

The Developmental Change of Glutamate Concentration in Postnatal Normal Rat Brain Using in Vivo GluCEST Technique

PD201-SD-SUA2 **Station #2****12:30–1:00 PM****Education Exhibits**

Pediatric Vasculitis: Multimodality Imaging Review

PD171-ED-SUA6 **Station #6**

Use of Intravenous Gadolinium Based Hepatocyte Specific Contrast Agents (HSCA) for Contrast Enhanced Liver MRI in Pediatric Patients - What the Radiologist Needs to Know

PD173-ED-SUA8 Station #8

1:00–1:30 PM

Scientific Posters

Forward Projected Model-Based Iterative Reconstruction Solution for 320-Row CT Angiography Improves Image Quality and Reduces Radiation Exposure in Infants with Complex Congenital Heart Disease

PD206-SD-SUB2 Station #2

MRI Assessment of Fetuses Referred with Ultrasonographically Suspected Pelvi-Abdominal Cystic Lesions: Is There an Added Value?

PD209-SD-SUB5 Station #5

Radiology of Pulmonary Infections in HIV Infected Children

PD207-SD-SUB3. Station #3

Stereoscopic Benefits for the Identification of Pulmonary Vein Stenoses with CT Angiograms

PD205-SD-SUB1. Station #1

The Value of Whole Tumors Volume-based T2WI Histogram Analysis of Differential Diagnosis in Pediatric Posterior Fossa Tumors

PD208-SD-SUB4 Station #4

1:00–1:30 PM

Education Exhibits

Cerebral Development and Malformations: Pathways, Genes, and Imaging Correlates

PD176-ED-SUB8 Station #8

Stridor in Children - What the Radiologist Should Know

PD175-ED-SUB7 Station #7

Unravelling the Troublesome Puzzle: A Comprehensive Imaging Review of Pediatric Intracranial Neurovascular Diseases

PD174-ED-SUB6 Station #6

MONDAY, NOV 26, 2018

12:15–12:45 PM

Scientific Posters

A Comparative Study of Free-Breathing StarVIBE with Conventional VIBE in Fetal Brain T1WI Imaging

PD211-SD-MOA2. Station #2

Feasibility of Free-Breathing T1-Weighted 3D Radial VIBE for Fetal MRI

PD212-SD-MOA3 Station #3

Image Quality and Incidental Findings of Chest MRI in a Large Pediatric Population-Based Study

PD213-SD-MOA4 Station #4

Non-Breath Hold Dynamic Contrast Enhanced Abdominal and Thoracic MRI in Pediatric Oncologic Patients Using a GRASP-Sequence at 3T

PD214-SD-MOA5 Station #5

Thoracic Air-Leak Syndrome and Bronchiolitis Obliterans in Pediatric Patients Following Hematopoietic Stem Cell Transplantation

PD210-SD-MOA1. Station #1

12:15–12:45 PM

Education Exhibits

Adolescent Overhead Athlete: Anatomy, Physiology, and Pathophysiology

PD177-ED-MOA6. Station #6

Dentate Nuclei Involvement in Pediatric CNS Conditions: Imaging and Clinicolaboratory Insights

PD179-ED-MOA8. Station #8

Fetal Cardiac MRI for Structural Congenital Heart Disease

PD178-ED-MOA7. Station #7

12:45–1:15 PM

Scientific Posters

Automatic Computation of Iso-perimetric Ratio as Quantitative Index for Degree of Left Ventricular Trabeculation in Adolescents and Young Adults: Potential Indicator for Left Ventricular Non-Compaction

PD219-SD-MOB5 Station #5

Disease-Specific Dose Estimate (DSDE): Optimization of Radiation Dose for Children with Hepatomegaly

PD217-SD-MOB3. Station #3

Does 18F-FDG Dose Reduction for PET/MRI Affect Treatment Response Assessment of Lymphomas and Sarcomas?

PD218-SD-MOB4 Station #4

Early Prediction of Progression to Severe Post Hemorrhagic Hydrocephalus on Cranial Ultrasound of Premature Newborns

PD216-SD-MOB2 Station #2

Imaging Findings of Abdominal Compartment Syndrome: Unique Features in Children

PD215-SD-MOB1. Station #1

12:45–1:15 PM

Education Exhibits

Clinical and CT findings of Tracheal Agenesis: Single Center Experience and Literature Review

PD180-ED-MOB6 Station #6

Prenatal Imaging Findings in Anorectal Malformations
PD181-ED-MOB7 **Station #7**

Supratentorial Glioblastoma Multiforme in Children:
 Conventional and Advanced MRI Features
PD182-ED-MOB8 **Station #8**

TUESDAY, NOV 27, 2018

12:15–12:45 PM

Scientific Posters

Infants Limb Fractures in Household Accidents: Beyond the
 Shaken-Baby Syndrome
PD221-SD-TUA2 **Station #2**

Rickets in Vienna Revisited
PD223-SD-TUA4 **Station #4**

Specific CT Imaging Characteristics of Congenital Mesoblastic
 Nephroma and Correlation with Ultrasound and Pathology
PD224-SD-TUA5 **Station #5**

The Comparison Between Improved T2 SPACE and Other
 Traditional MRU Sequences in Children with Congenital
 Urinary Tract Malformation
PD220-SD-TUA1 **Station #1**

Value of Functional T2 Mapping in the Assessment of Early
 Cartilage Degeneration of Pediatric Hemophilic Patients
PD222-SD-TUA3 **Station #3**

12:15–12:45 PM

Education Exhibits

Case Based Approach to Hindbrain Malformations
PD184-ED-TUA7 **Station #7**

To Improve is to Change, to Be Perfect is to Change Often: A
 Review of the Many Pediatric Urinary Tract Dilation
 Classifications Through Ultrasound History
PD183-ED-TUA6 **Station #6**

When Animals Attack! What the Radiologist Needs to Know
 About Pediatric Animal Related Injuries
PD185-ED-TUA8 **Station #8**

12:45–1:15 PM

Scientific Posters

Clinical Implication of Hepatic Subcapsular and Capsular Flow
 in Doppler Ultrasound and Microvascular Imaging after
 Receiving Kasai Operation
PD229-SD-TUB5 **Station #5**

Frequency Selective Non-Linear Blending Technique Can
 Improve Detection of Acute Infarcts on Pre-enhanced Brain
 CT in Children
PD227-SD-TUB3 **Station #3**

Imaging of the Temporomandibular Joint in Juvenile Idiopathic Arthritis: A Comparison of Quantitative and Semi-Quantitative MRI Scoring

PD228-SD-TUB4 **Station #4**

Improved Method for Estimating Brain Structural Location for Mapping of Magnetoencephalography in Young Children

PD226-SD-TUB2 **Station #2**

Microstructural Changes of Brain White Matter for the Children Patients with Obstructive Sleep Apnea Syndrome Based on Diffusional Kurtosis Imaging Study

PD225-SD-TUB1 **Station #1**

12:45–1:15 PM

Education Exhibits

Diffusion-Weighted Magnetic Resonance Imaging (DW-MRI) and Hybrid PET-MR for the Growing Skeleton: Normal Appearances, Pitfalls, Current Applications, and Limitations

PD187-ED-TUB7 **Station #7**

Rethinking ADEM: The Changing Landscape of Neuroinflammatory Disorders

PD186-ED-TUB6 **Station #6**

WEDNESDAY, NOV 28, 2018

12:15–12:45 PM

Scientific Posters

Artificial Intelligence in Bone Age Assessment: Evaluation of Diagnostic Accuracy and Efficiency of a Novel Fully Automated Algorithm in Comparison to the Greulich Pyle Atlas Method

PD234-SD-WEA5 **Station #5**

Comparison on Image Quality of Two Type Low-Dose CT Iterative Algorithm Reconstruction and Filtered Back Projection Reconstruction in Children's Temporal Bone

PD230-SD-WEA1 **Station #1**

Indigo Mechanical Thrombectomy in Children: An Initial Experience

PD233-SD-WEA4 **Station #4**

Longitudinal Prediction of Pediatric Diffusion MRI Data using Graph-Based Deep Learning

PD231-SD-WEA2 **Station #2**

Pulmonary Metastases of Neuroblastoma - CT Differential Features at the Initial Diagnosis

PD232-SD-WEA3 **Station #3**

12:15–12:45 PM**Education Exhibits**

Characterizing Pediatric Liver Masses and Mimics by MR: A Radiologist's Primer

PD188-ED-WEA6 Station #6

MRI of the 1st Trimester Pregnancy Fetus and Placenta

PD189-ED-WEA7 Station #7

12:45–1:15 PM**Scientific Posters**

A Realistic Pediatric Abdominal Phantom with Contrast Enhancement Using 3D Printing Technology: Comparison with Patient Computed Tomography Images

PD237-SD-WEB3 Station #3

A Review of Paediatric Interventional Radiology Transfers Away from a Tertiary Paediatric Centre

PD238-SD-WEB4 Station #4

Normalized Organ Doses for Pediatric Chest CT Examinations Calculated Using a Patient-Specific Monte Carlo Method

PD235-SD-WEB1 Station #1

Usefulness of Abdominal Aortography for Evaluation of Renal Artery Stenosis in Children with Moyamoya Disease

PD239-SD-WEB5 Station #5

Wide Awake and Satisfied

PD236-SD-WEB2 Station #2

12:45–1:15 PM**Education Exhibits**

Pediatric Whole Body PET/MR: How to Acquire Excellent Images with a Streamlined Protocol

PD191-ED-WEB7 Station #7

The Term Hemangioma in 2018: Disentangling the Web

PD190-ED-WEB6 Station #6

THURSDAY, NOV 29, 2018**12:15–12:45 PM****Scientific Posters**

Avoiding Sedation in Brain Examinations for Neonates and Children by Using Silent MR Sequence: A Comparative Study

PD243-SD-THA4 Station #4

Comparison of 320-Row Detector CT Angiography versus Transthoracic Echocardiography for Imaging of Coronary Artery Lesion in Children with Kawasaki Disease

PD241-SD-THA2 Station #2

Evaluation of MRI in the Prenatal Diagnosis of Cleft Lip and Palate

PD242-SD-THA3 Station #3

Isolated Periventricular Pseudocysts Do Not Affect White Matter Development in Neonatal Stage: A TBSS Study

PD244-SD-THA5 Station #5

Study of Probabilistic Versus Deterministic Tractography in Pediatric Spinal Cord Imaging

PD245-SD-THA6. Station #6

The Feasibility Study of Reducing 20% Contrast Agent Dose in Abdominal CT by Using 80kV Tube Voltage: An Intra-Patient Study for Children of 28kg or Less

PD240-SD-THA1. Station #1

12:15–12:45 PM

Education Exhibits

Growing a Backbone: Essentials of Neonatal Spine Ultrasound

PD192-ED-THA7 Station #7

New MR Techniques to Decrease MR Scan Times in Children

PD193-ED-THA8 Station #8

12:45–1:15 PM

Scientific Posters

CT Imaging Findings of Colonic Polyps in Children

PD247-SD-THB2 Station #2

High-pitch Scan Mode in Urinary Examinations in Children without Medical Sedations Using the Third-Generation Dual-Source Computed Tomography: Image Quality and Radiation Dose Performance

PD248-SD-THB3. Station #3

Microcirculatory Perfusion and Diffusion Assessment of Neonates with Punctate White Matter Lesions Using intravoxel Incoherent Motion (IVIM)

PD251-SD-THB6 Station #6

Pediatric Diagnostic Reference Ranges for Dual-energy Dual-source Abdominopelvic CT

PD249-SD-THB4. Station #4

The “Thoracic Meconium Sign” as a Diagnostic Feature in the Diagnosis of Diaphragmatic Hernia on Fetal MRI

PD246-SD-THB1. Station #1

The Utility of Texture Analysis in Differential Diagnosis of Pediatric posterior Fossa Tumors

PD250-SD-THB5. Station #5

12:45–1:15 PM

Education Exhibits

Spectral Multi-Energy Computed Tomography: Preliminary Experience in Pediatric Neuroradiology

PD195-ED-THB8 Station #8

Stroke in Pediatric Age Group: How MRI Can Help?

PD194-ED-THB7 Station #7

Education Exhibits

SPACE NO.	EXHIBIT TITLE
PD001-EB-X	Put Your Best Foot Forward: Mastering Radiographic Evaluation of Congenital Foot Deformities
PD002-EB-X	Musculoskeletal Lesions in the Pediatric Population: A Radiographic Review
PD003-EB-X	Early Experience of Ultra-High Resolution Ultrasound in the Pediatric Population: Pictorial Essay
PD004-EB-X	Pearls and Pitfalls on the Imaging Evaluation of CNS Tumors in Children
PD005-EB-X	Benefit of 3D Printed Tracheas as Aids for Management of Deformed Airway in Complex Surgery for Children
PD100-ED-X	State of Art Diffusion Tensor Imaging and Tractography of Pediatric Neuro-Oncology
PD101-ED-X	Post-Transplant Lymphoproliferative Disorder (PTLD) in Children: A 360-Degree Perspective
PD102-ED-X	The Use of F18-FDG-PET in Pediatric Patients with Soft Tissue Sarcoma at the Initial Staging and Therapy Planning: What Radiologists Need to Know
PD103-ED-X	Pediatric Head Ultrasound: How Close is it to MR and CT?
PD104-ED-X	Vascular Anomaly Imaging Mimics and Differential Diagnoses
PD105-ED-X	Pediatric Self-Limiting Tumors: Leave That Lump Alone!
PD106-ED-X	Pediatric Nasopharyngeal Carcinoma: Findings from Different Imaging Techniques
PD107-ED-X	Neurocristopathies: The Many Enigmatic Faces of Neural Crest Cell Derived Abnormalities
PD108-ED-X	Late Presentations of Sacrococcygeal Teratomas: Clinical and Imaging Dilemma
PD109-ED-X	Imaging of Pediatric Foot Alignment: Development, Pathology, and Management

- PD110-ED-X** Cystic Neck Masses in the Fetal and Pediatric Population
- PD111-ED-X** Spectrum of Imaging Findings in Neonates and Infants with Sensorineural Hearing Loss (SNHL) - Early Detection: The Key for a Better Outcome
- PD112-ED-X** Transcutaneous Ultrasound: The "Zero-Radiation" and Easy to Perform Alternative Method to Evaluate Pediatric Tonsils and Their Pathology
- PD113-ED-X** Twists and Turns of Upper Abdominal Viscera
- PD114-ED-X** Disappearing Abdominal and Pelvic Masses in Neonates, Infants, and Young Children: What a Radiologist Should Know
- PD115-ED-X** Fetal and Neonatal Head and Neck Masses: Multimodality Imaging in Diagnosis, Staging, and Prognosis
- PD116-ED-X** Imaging of Craniovertebral Junction (CVJ): State-of-the-Art in Infants and Children
- PD117-ED-X** Epiphyses, Apophyses, and Other Ossification Centers: A Radiologist's Guide to Precise Terminology for Normal Appendicular Skeletal Development
- PD118-ED-X** Ventriculomegaly as a Telltale Sign of Congenital Central Nervous System Malformations: Findings in Fetal Magnetic Resonance Imaging
- PD119-ED-X** Spinal Cord Ultrasonography: Anatomical Bases, Main Diseases, and Postoperative Control
- PD120-ED-X** Pediatric Pelvic and Spine Osseous Tumors: Benign or Malignant?
- PD121-ED-X** Neonatal Jaundice: A Multimodality Imaging Approach
- PD122-ED-X** Paediatric Pre-op CTA of Supra-Cardiac TAPVD: Melbourne Royal Children's Hospital Experience
- PD123-ED-X** Classic and Unusual Musculoskeletal Manifestations of Pediatric Hematologic Malignancy
- PD124-ED-X** Skeletal Ciliopathies: A Pattern Recognition Approach and Latest Updates in Genetics that Radiologists Need to Know

- PD125-ED-X** MRI Findings in Osteoid Osteoma
- PD126-ED-X** Don't Forget the Pancreas in Pediatric Syndromes!
- PD127-ED-X** Different Strokes for Different Folks: Imaging and Diagnosis in Childhood Stroke
- PD128-ED-X** Primary Synovial Chondromatosis: A Pictorial Review of Pediatric Cases with Emphasis on Ultrasound
- PD129-ED-X** Pelvic MRI in Postoperative Assessment of Patients with Congenital Anorectal Malformations: What the Surgeon Wants to Know
- PD130-ED-X** See the Unseen: Pediatric Cerebral Venous Thrombosis - MR Pictorial Review
- PD131-ED-X** Variation of Pediatric Neck Diseases: Reviewing the Basic Conditions
- PD132-ED-X** Always Look Behind: Differential Diagnosis of the Congenital Posterior Fossa Abnormalities Based on Biometric Parameters in Neonatal MRI
- PD133-ED-X** Acute Hip Pain in Children: Normal Variant or Pathologic?
- PD134-ED-X** Juvenile Idiopathic Arthritis: Not Everything is Inflammation
- PD135-ED-X** Patchy, Punctate, and Blooming: Spectrum of Appearance of Acute Disseminated Encephalomyelitis Lesions and Their Variants
- PD136-ED-X** Aqueductal Stenosis: From the Fetus to the Adolescent
- PD137-ED-X** Segmental Spinal Dysgenesis - 'Redefined'
- PD138-ED-X** Imaging of Extrapulmonary Tuberculosis in Children
- PD139-ED-X** Imaging of Proptosis in the Pediatric Population: An 'Eye Popping' Pictorial Review
- PD140-ED-X** Role of Multiparametric Ultrasound in Diagnosis of Pediatric Scrotal Pathology
- PD141-ED-X** Neck Masses in Children: Review for the Practicing Radiologist
- PD142-ED-X** Tuberculosis in Pediatric Patients: From Head to Toe

- PD143-ED-X** Pediatric Abdominal Handle Bar Injuries: Imaging Review
- PD144-ED-X** Salivary Glands Lesions in Pediatrics: Mumps and Far Beyond
- PD145-ED-X** Foreign Bodies Gone Wrong - Imaging Review of Pediatric Foreign Body Ingestion and Its Complications
- PD146-ED-X** ENhanced Coronal Acquisition with Sagittal Excitation (ENCASE) Applications in Pediatric Body and Musculoskeletal MR
- PD147-ED-X** High-Resolution US of Pediatric Superficial Soft Tissue Lesions
- PD148-ED-X** Imaging Invasive Fungal Infections in Immunosuppressed Children
- PD149-ED-X** Multimodality Imaging of Skeletal Dysplasias: What the Radiologist Needs to Know
- PD150-ED-X** Developmental Dysplasia of the Hip: Clinical and Imaging Findings for Early Diagnosis and Treatment
- PD151-ED-X** The Role of the Radiologist in Newborn Bowel Obstruction
- PD152-ED-X** A Clinical-Radiological Approach to Acquired Pediatric Vertebral Collapse
- PD153-ED-X** A Review of Pediatric Soft Tissue Calcifications
- PD154-ED-X** From Mucous to Malignancy: A Pictorial Review of Pediatric Skull Base Lesions Involving the Sphenoid Bone
- PD155-ED-X** Rhabdomyosarcoma and Other Soft Tissue Sarcomas in Children: Advanced Multiparametric MR Imaging
- PD156-ED-X** Fetal Cardiac Imaging by MRI Using and External Gating Device: Technique, Pitfalls, Normal Cardiac Anatomy, and Examples of Cardiac Anomalies
- PD157-ED-X** Prenatal Imaging of the Fetal Renal and Urinary Tract Malformations
- PD158-ED-X** Magnetic Resonance Imaging in the Pediatric Population with Acute Abdominal Pain - An Image Based Primer
- PD159-ED-X** In the Era of MRI Is There a Hole for Transperineal Ultrasound in the Diagnosis of Pediatric Genitourinary Malformations?

- PD160-ED-X** White Matters: Inside Demyelinating Disease in Children
- PD161-ED-X** Multimodal Imaging of Secondary Degeneration in Pediatric CNS Disease
- PD162-ED-X** Big League Primer on Little League Injuries
- PD163-ED-X** Rapid MRI as a Problem Solver in Challenging Cases of Pediatric Acute Abdominal Pain: Can You Make the Diagnosis?
- PD164-ED-X** Children Interstitial Lung Disease (chILD): A Hint for the Radiologist
- PD165-ED-X** 'Bars as Barriers': Multimodality Approach for Imaging in Physeal Bars - A Blueprint for Operating Surgeon
- PD166-ED-X** Generalized Lymphatic Anomaly: Imaging Findings
- PD167-ED-X** Sonography of Pediatric Respiratory System - Value of Laryngeal, Airway, Lung and Pleural Ultrasound
- PD168-ED-X** All That Folds in - Folds Out: The Ins and Outs of Arthrogyrosis Multiplex Congenita
- PD169-ED-X** Clinical Applications of Digital Tomosynthesis with Low Radiation Dosage in Pediatric Patients
- PD170-ED-X** Multi Detector Computed Tomography in the Evaluation of Childhood Interstitial Lung Diseases
- PD172-ED-X** Beyond the Basics: Advanced Thoracic Imaging Findings in Acute Complications of Sickle Cell Disease

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