

# Imaging of Children, Adolescents & Young Adults

*Radiologic & Clinical Perspectives in a New Decade*

## Presented in VIRTUAL Format

*Offering 18 CME Credits  
and 3 AOBR/ABR SAM Credits*

September 4-6, 2020

*Neil Mardis, DO, Program Chair*

### **Program Description:**

The program will provide attendees with improved understanding of state-of-the-art technologies and applications of imaging evaluation in children and young adults from the perspectives of both referring physicians and experts in radiology.

Clinicians will discuss a variety of neurologic, cardiothoracic, musculoskeletal, oncologic, and organ specific diseases with an emphasis on diagnosis, management, and imaging expectations. Participants can expect to gain better insight into the diagnostic dilemmas faced by their referring colleagues and the value they can add with their imaging expertise.

Attendees will also learn from expert fellowship-trained radiologists providing guides to protocoling and performing advanced imaging in patients with complex medical diseases. Diagnosing and reporting relevant and necessary findings in a clear and concise manner while retaining efficiency and image quality will be discussed.

### **Objectives:**

- Participants will gain perspective on state-of-the-art imaging of seizures and the clinical impact of brain imaging.
- Explore congenital and acquired diseases of the heart and lung from both the referring physician and cardiothoracic imager's vantage point with the goal of improving knowledge on these complex physiologic conditions and current imaging techniques.
- Discuss complex orthopedic concerns such as hip and spinal disease in the adolescent and young adult population with an emphasis on current clinical management and the role of advanced imaging in the assessment, diagnosis and treatment of these conditions.
- Discuss common indications for fetal MRI, routine and advanced imaging techniques, and clinical expectations for diagnosis and reporting.
- Learn about the common and unique indications for inner ear imaging with both CT and MRI. Gain insight into the clinical pathology. Discuss tips for maximizing diagnostic yields and clarify the common and less common imaging appearances of various congenital and acquired inner ear diseases.
- Discuss current topics in body imaging including advanced liver imaging (including elastography and fat/iron quantification) and liver transplantation with the goal of improving participants' understanding of the pathologies involved and the best ways to provide relevant and useful information to their clinical colleagues. Unique issues related to liver transplantation and postoperative interventional procedures will be discussed to enhance the attendees' understanding of this complex subset of patients.

### **AOA & ACCME Accreditation:**

The AOBR is accredited by the American Osteopathic Association (AOA). The AOBR has approved this live activity for a maximum of 18 AOA Category 1-A CME credits.

The AOBR is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The AOBR designates this live activity for a maximum of 18 AMA PRA Category 1 credits™.

# Program Schedule

**There is a built-in 5 minute transition time between lectures. All times are in the central time zone.**

## **Friday, September 4**

- 8:30-9:30 am Clinical Challenges in Adolescent Hip Pain – *Lisa Berglund, MD*
- 9:35-10:35 am Advanced Imaging of Adolescent Hip Pain: MRI, Cartilage Mapping, & 3D Modeling – *Neil Mardis, DO*
- 10:40-12:45 am Childhood Interstitial Lung Disease: Clinician & Radiologist Perspective \*(SAM Lecture) – *Terrence Carver, MD & Kristin Fickenscher, MD*
- 12:45-1:15 pm Lunch Break
- 1:15-2:15 pm Sensorineural Hearing Loss: Imaging from the ENT Perspective – *Robert Cullen, MD*
- 2:20-3:20 pm CT & MRI Evaluation of Patients with Sensorineural Hearing Loss \*(SAM Lecture) – *Kyle Summers, DO*
- 3:25-4:25 pm Children & Young Adults with Epilepsy: Clinical Challenges in Neurophysiology – *Lalit Bansal, MD*
- 4:30-5:30 pm Structural & Functional Imaging Evaluation of Epilepsy – *Timothy Zinkus, MD*

## **Saturday, September 5**

- 9:00-10:00 am Congenital Heart Disease in the Adolescent & Young Adult: Tetralogy of Fallot from a Clinical Perspective – *Sanket Shah, MD*
- 10:05-11:05 am Imaging of Adolescents & Young Adults with Congenital Heart Disease: Focus on Tetralogy of Fallot – *Erin Opfer, DO*
- 11:10-12:10 pm High Risk Pregnancy: Indications & Expectations for Fetal MRI – *Emanuel Vlastos, MD*
- 12:15-1:15 pm Fetal MRI Pearls & Pitfalls – *Kristin Fickenscher, MD*
- 1:15-1:45 pm Lunch Break
- 1:45-2:45 pm Advances in Genetics & Dysmorphology – *Eric Rush, MD*
- 2:50-3:50 pm Guide to Interpreting Skeletal Dysplasias – *Neil Mardis, DO*

## **Sunday, September 6**

- 9:00-10:00 am Transplant, Intestinal Rehabilitation & Pediatric Surgery: What the Radiologist Needs to Know – *Richard Hendrickson, MD*
- 10:05-11:05 am Interventional Radiology Procedures in Transplant Patients – *Douglas Rivard, DO*
- 11:10-12:10 pm Advanced Liver Imaging – *Neil Mardis, DO*
- 12:15-1:15 pm Pediatric Bowel Obstruction \*(SAM Lecture) – *Douglas Rivard, DO*

**\*The AOCR has received SAM Deemed Status from the American Osteopathic Board of Radiology (AOBR); therefore, this CME activity is approved for 3 AOBR SAM credits for the purpose of fulfilling requirements in the AOBR Osteopathic Continuous Certification Program.**

**\*The AOCR has received SAM Deemed Status from the American Board of Radiology (ABR); therefore, this CME activity is qualified by the ABR in meeting the criteria for self-assessment toward the purpose of fulfilling requirements in the ABR Maintenance of Certification Program.**

**Registrants will receive access to all lecture recordings after the conclusion of the live conference and will have until October 4 to complete for CME credit.**

# Faculty Listing

This conference is proud to present faculty from a variety of departments and specialties within Children's Mercy Kansas City.

**Neil J. Mardis, DO, Program Chair**

Pediatric Radiology

Section Chief, MRI Physician Champion, 3D Printing; Assistant Professor of Radiology, University of Missouri-Kansas City School of Medicine; Clinical Assistant Professor of Radiology, University of Kansas School of Medicine

**Lalit R. Bansal, MD**

Child Neurology

Director, Epilepsy Surgery Program; Assistant Professor of Pediatrics, University of Missouri-Kansas City School of Medicine; Clinical Assistant Professor of Neurology, University of Kansas School of Medicine

**Lisa M. Berglund, MD**

Pediatric Orthopaedic Surgery

Assistant Professor of Orthopaedic Surgery, University of Missouri-Kansas City School of Medicine; Clinical Assistant Professor of Orthopaedic Surgery, University of Kansas School of Medicine

**Terrence W. Carver, MD, FAAP**

Pediatric Pulmonology

Associate Professor of Pediatrics, University of Missouri-Kansas City School of Medicine

**Robert D. Cullen, MD**

Pediatric Neurology

Clinical Assistant Professor of Surgery, University of Missouri-Kansas City School of Medicine

**Kristin A. Fickenscher, MD**

Pediatric Radiology

Vice Chair, Radiology; Fellowship Program Director; Associate Professor of Radiology, University of Missouri-Kansas City School of Medicine

**Richard J. Hendrickson, MD, FACS, FAAP**

Surgical Director, Intestinal Rehabilitation

General & Thoracic Surgery; Abdominal Transplant Surgery Professor of Surgery, University of Missouri-Kansas City School of Medicine

**Erin Opfer, DO**

Pediatric Radiology

Section Chief, Cardiac; Assistant Professor of Radiology, University of Missouri-Kansas City School of Medicine

**Douglas C. Rivard, DO**

Pediatric Radiology

Chair, Department of Radiology; Professor of Radiology, University of Missouri-Kansas City School of Medicine; Clinical Assistant Professor of Radiology, University of Kansas School of Medicine

**Eric T. Rush, MD, FAAP, FACMG**

Clinical Genetics

Medical Director, Office of Faculty Development; Associate Professor of Pediatrics, University of Missouri-Kansas City School of Medicine; Clinical Associate Professor of Internal Medicine, University of Kansas School of Medicine

**Sanket S. Shah, MD**

Pediatric Cardiology

Associate Professor of Pediatrics, University of Missouri-Kansas City School of Medicine; Clinical Assistant Professor of Pediatrics, University of Kansas School of Medicine

**Kyle F. Summers, DO**

Pediatric Radiology

Assistant Professor of Neuroradiology, University of Kansas Medical Center

**Emanuel J. Vlastos, MD, FACOG, FAAFP**

OB/Gyn-Maternal & Fetal Medicine

Medical Director of Fetal Therapy; Associate Professor of Obstetrics & Gynecology, University of Missouri-Kansas City School of Medicine

**Timothy P. Zinkus, MD**

Pediatric Radiology

Section Chief, Neuro; Assistant Professor of Radiology, University of Missouri-Kansas City School of Medicine; Clinical Assistant Professor of Radiology, University of Kansas School of Medicine

# Registration

| Member Rates   | Early Bird<br><i>Ends 8/27/20</i> | Regular       |
|--|-----------------------------------|---------------|
| Practicing Physician   | \$500                             | \$600         |
| Retired (Non-Practicing Physician)   | \$300                             | \$400         |
| Resident/Fellow  | Complimentary                     | Complimentary |
| Non-Member Rates   | Early Bird<br><i>Ends 8/27/20</i> | Regular       |
| Practicing Physician   | \$700                             | \$800         |
| Resident/Fellow  | \$250                             | \$350         |
| Physician's Assistant  | \$250                             | \$350         |
| <i>Interns &amp; Students receive complimentary registration if a letter from the DME is provided</i>  |                                   |               |
| <p><b><u>CANCELLATION POLICY</u></b><br/> <b>30 Days Prior</b> – Full Refund<br/> <b>29-7 Days Prior</b> – Refund less \$100 cancellation fee or transfer to either of the next two (2) AOCR Sponsored CME Activities<br/> <b>Less Than 7 Days Prior</b> – No Refund</p> |                                   |               |

## Registrant Contact Information

Name: \_\_\_\_\_ Address: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_ Zip: \_\_\_\_\_  
 Email: \_\_\_\_\_

## Payment Information

Mail check payable to the AOCR or include credit card information

Visa    MasterCard    American Express    Discover

Card #: \_\_\_\_\_ Card Exp. Date: \_\_\_\_\_ CVV: \_\_\_\_\_

Name on Credit Card: \_\_\_\_\_

Billing Address (if different from address listed above): \_\_\_\_\_

## Registration Options



Online

[www.aocr.org](http://www.aocr.org)



Phone

(660) 265-4011



Program Contact

Mary Lentz  
 (800) 258-AOCR (2627)  
[mary@aocr.org](mailto:mary@aocr.org)



Fax

(660) 265-3494



Mail

119 East 2<sup>nd</sup> Street  
 Milan, MO 63556