



# 2<sup>ND</sup> Pediatric Body MRI Course

*presented by*  
The Society for Pediatric Radiology

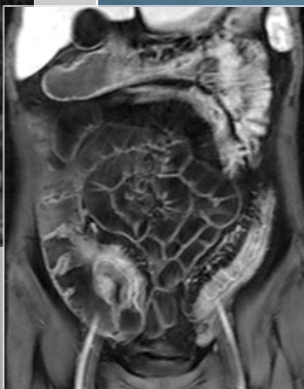


September 15-17, 2017

Cincinnati Children's Hospital

Medical Center

Cincinnati, Ohio



## TARGET AUDIENCE

The target audience for this program includes pediatric radiologists, fellows, residents and MRI technologists who perform and report body MRI.

### Learning Objectives:

1. To discuss basic body MRI techniques and methods to improve the routine use of pediatric body MRI in terms of quality.
1. To discuss advanced MRI techniques that are being applied in pediatric body MRI.
2. To discuss the present and future roles of body MRI in pediatric oncology.
3. To promote sharing of knowledge and clinical experiences among SPR membership regarding body MRI.

At the completion of this course, participants will be able to understand basic and advanced techniques in body MRI techniques, and recognize and apply the techniques for advanced diagnosis and improved management.

## CONTINUING MEDICAL EDUCATION

### 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 18 AMA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### ARRT ACCREDITATION STATEMENT

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 19.75 Category A credit hours of the ARRT.

### SAM

Qualified on July 14, 2017 select sessions from this activity meet the American Board of Radiology criteria for a self-assessment (SAM) activity and is designated for up to 5.25 SAM credits toward the ABR Maintenance of Certification Program.

## COURSE DIRECTORS & FACULTY

### **Govind B. Chavhan, MD, DABR**

Staff Radiologist  
The Hospital for Sick Children  
Associate Professor  
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Toronto, Canada

### **Jonathan R. Dillman, MD, MSc**

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## FACULTY

### **Maisam Abu-El-Haja, MD**

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### **Dianna M. E. Bardo, MD, FSCCT, FNASCI**

Director of Body MR  
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### **Ellen Chung, MD**

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## FACULTY cont.

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### **Mary-Louise C. Greer, MBBS, FRANZCR**

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Interim Chief, Pediatric Radiology  
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## FACULTY cont.

### **Rajesh Krishnamurthy, MD**

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### **Arnold Carlson Merrow, Jr., MD**

Corning Benton Chair for Radiology  
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### **Jaimie D. Nathan, MD, FACS**

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### **Mantosh Rattan, MD**

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### **Michael J. Rosen, MD, MSCI**

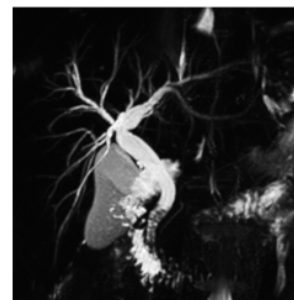
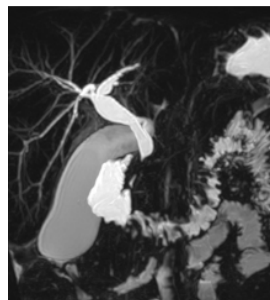
Assistant Professor  
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### **Cynthia K. Rigsby, MD, FACR**

Head, Body Imaging; Vice-chair, Department  
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### **Suraj D. Serai, PhD**

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## FACULTY cont.

### **Ethan Smith, MD**

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### **Andrew T. Trout, MD**

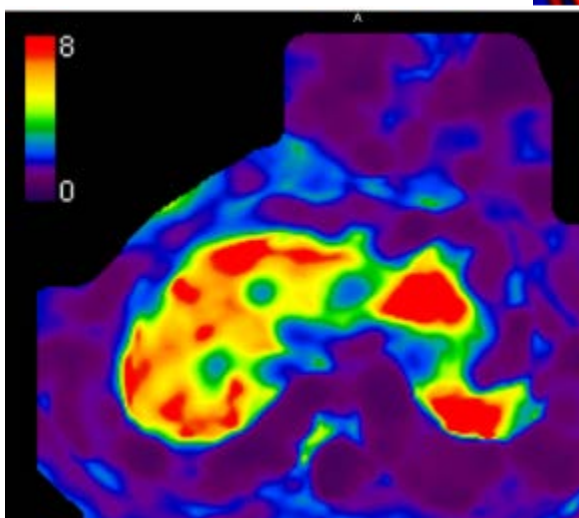
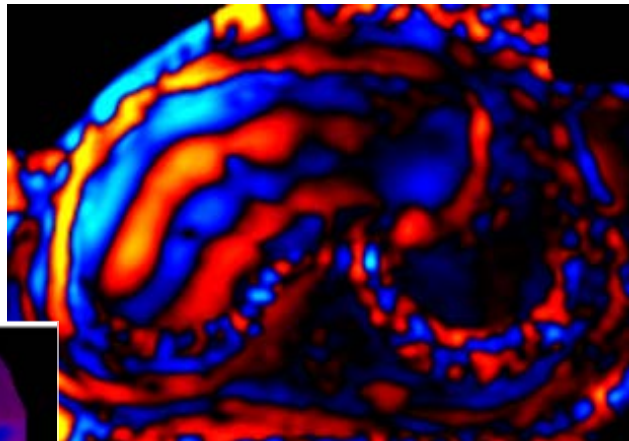
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### **Stephan Voss, MD, PhD**

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Director, Nuclear Medicine Boston  
Children's Hospital  
Harvard Medical School  
Boston, Massachusetts

### **Jason Woods, PhD**

Director, Center for Pulmonary Imaging  
Research  
Professor, UC Department of Pediatrics  
UC Department of Radiology  
Cincinnati Children's Hospital Medical  
Center  
Cincinnati, Ohio



## PROGRAM - FRIDAY, September 15, 2017

<b>7:00 AM</b>	<b>7:45 AM</b>	<b>Registration &amp; Continental Breakfast</b>
<b>8:00 AM</b>	<b>9:40 AM</b>	<b>MRI of the Bowel</b> <i>Moderator: Jonathan Dillman, MD, MSc</i>
8:00 AM	8:10 AM	Welcome
8:10 AM	8:30 AM	Imaging of Crohn's Disease: What the Pediatric Gastroenterologist Wants to Know Michael J. Rosen, MD, MSCI
8:30 AM	8:50 AM	Crohn's Disease: Terminology Update and Complications Jonathan Dillman, MD, MSc
8:50 AM	9:10 AM	MR Enterography: Assessment of Disease Activity and Mucosal Healing Michael Gee, MD, PhD
9:10 AM	9:30 AM	MRI of the Bowel Beyond Crohn's Disease Sudha Anupindi, MD, FSAR
9:30 AM	9:40 AM	Questions & Answers
<b>9:40 AM</b>	<b>10:00 AM</b>	<b>Break</b>
<b>10:00 AM</b>	<b>12:00 PM</b>	<b>MRI of the Vasculature</b> <i>Moderator: Carl Merrow, Jr., MD</i>
10:00 AM	10:20 AM	MRI of Vasculitis and Vasculopathy Mantosh Rattan, MD
10:20 AM	10:40 AM	Contrast-enhanced and Non-contrast MRA Techniques: State-of-the-Art Rajesh Krishnamurthy, MD
10:40 AM	11:00 AM	Whole Body Venography in a Post-Ablavar Era (Including Ferumoxytol) Cynthia K. Rigsby, MD, FACR
11:00 AM	11:20 AM	MR Lymphangiography Rajesh Krishnamurthy, MD
11:20 AM	11:40 AM	MRI Assessment of Vascular Anomalies: Update Carl Merrow, Jr., MD
11:40 AM	12:00 PM	Questions and Answers
<b>12:00 PM</b>		<b>Adjourn</b>
<b>12:00 PM</b>	<b>1:20 PM</b>	<b>Lunch</b>

## PROGRAM - FRIDAY, September 15, 2017 (cont.)

1:20 PM	2:50 PM	<b>MRI of the Pancreas and Biliary Tree</b> <i>Moderator: Andrew T. Trout, MD</i>
1:20 PM	1:40 PM	Pancreatitis in Children: The Clinical Perspective Maisam Abu-El-Haija, MD
1:40 PM	2:10 PM	Imaging of Acute and Chronic Pancreatitis, Including Exocrine Function Andrew T. Trout, MD
2:10 PM	2:40 PM	MRI of the Bile Ducts Sudha Anupindi, MD, FSAR
2:40 PM	2:50 PM	Questions & Answers
2:50 PM	3:10 PM	<b>Break</b>
3:10 PM	4:10 PM	<b>Renal and Genitourinary MRI - SAM Session</b> <i>Moderator: Kassa Darge, MD, PhD</i>
3:10 PM	3:30 PM	Imaging of Pediatric Renal Masses Ellen Chung, MD, COL, MC
3:30 PM	3:50 PM	MRI of Female Pelvic Masses and Mimics - Govind Chavhan, MD, DABR
3:50 PM	4:10 PM	MRI of Mullerian and Wolffian Anomalies Kassa Darge, MD, PhD
4:10 PM	5:00 PM	Challenging Body MRI Cases – Interactive Session Jonathan Dillman, MD, MSc Govind Chavhan, MD, DABR
5:00 PM		<b>Adjourn</b>

## PROGRAM - SATURDAY, September 16, 2017

7:00 AM	7:45 AM	<b>Registration &amp; Continental Breakfast</b>
8:00 AM	9:40 AM	<b>MRI Physics</b> <i>Moderator: Govind Chavhan, MD, DABR</i>
8:00 AM	8:10 AM	Welcome
8:10 AM	8:40 AM	Practical MRI Physics: Back to the Basics Suraj D. Serai, PhD
8:40 AM	9:10 AM	MRI Techniques for Faster, Free-breathing, and Motion-resistant Imaging Michael Gee, MD, PhD

## PROGRAM - SATURDAY, September 16, 2017 (cont.)

9:10 AM	9:30 AM	Gadolinium Based Contrast Agents - An Update Daniel J. Podberesky, MD
9:30 AM	9:40 AM	Questions & Answers
<b>9:40 AM</b>	<b>10:00 AM</b>	<b>Break</b>
<b>10:00 AM</b>	<b>12:00 PM</b>	<b>MRI of the Liver - SAM Session</b> <i>Moderator: Geetika Khanna, MD, MS</i>
10:00 AM	10:20 AM	Liver Transplantation in Children: Techniques and What the Surgeon Wants to Know From Imaging Jaimie D. Nathan, MD, FACS
10:20 AM	10:40 AM	Role of MRI in Pediatric Liver Transplantation (Pre- and Post-) Geetika Khanna, MD, MS
10:40 AM	11:00 AM	Imaging of Liver Fibrosis/MR Elastography Jonathan Dillman, MD, MSc
11:00 AM	11:20 AM	MRI of Common Pediatric Liver Lesions Prakash Masand, MD
11:20 AM	11:40 AM	Hepatocyte Specific Contrast Material – Adenoma vs. Focal Nodular Hyperplasia vs. Other – Where Do We Stand? Andrew T. Trout, MD
11:40 AM	12:00 PM	Questions and Answers
<b>12:00 PM</b>		<b>Adjourn</b>
<b>12:00 PM</b>	<b>1:20 PM</b>	<b>Lunch</b>
<b>1:20 PM</b>	<b>3:00 PM</b>	<b>Chest MRI</b> <i>Moderator: Rob Fleck, MD</i>
1:20 PM	1:40 PM	MRI of the Pediatric Chest Wall: Deformities and Masses Eric Crotty, MD
1:40 PM	2:00 PM	MRI of the Airways and Lungs, Including Hyperpolarized Techniques Jason Woods, PhD
2:00 PM	2:20 PM	MRI of Obstructive Sleep Apnea and Airway Obstruction Rob Fleck, MD
2:20 PM	2:40 PM	MRI of the Pediatric Mediastinum Dianna Bardo, MD
2:40 PM	3:00 PM	Questions & Answers



## PROGRAM - SATURDAY, September 16, 2017 (cont.)

<b>3:00 PM</b>	<b>3:20 PM</b>	<b>Break</b>
<b>3:20 PM</b>	<b>4:10 PM</b>	<b>Potpourri</b> <i>Moderator: Ethan Smith, MD</i>
3:20 PM	3:40 PM	MRI in the Emergency Department <i>Ethan Smith, MD</i>
3:40 PM	4:00 PM	MRI of Peritoneal, Mesenteric, and Omental Masses and Mass-like Lesions Ellen Chung, MD, COL, MC
4:00 PM	4:10 PM	Questions and Answers
4:10 PM	5:00 PM	Interactive Protocol Session <ul style="list-style-type: none"><li>• Liver MRI – Govind Chavhan, MD, DABR</li><li>• MRCP – Andrew T. Trout, MD</li><li>• Emergency Abdominal MRI – Ethan Smith, MD</li><li>• Lungs – Rob Fleck, MD</li><li>• Abdominal MRI for Tumor Staging – Stephan Voss, MD, PhD</li><li>• DVT, Vascular Access Venous Imaging – Jonathan Dillman, MD, MSc</li></ul>
<b>5:00 PM</b>		<b>Adjourn</b>

## PROGRAM - SUNDAY, September 17, 2017

<b>7:00 AM</b>	<b>7:45 AM</b>	<b>Registration &amp; Continental Breakfast</b>
<b>8:00 AM</b>	<b>9:40 AM</b>	<b>Advanced MRI Techniques</b> <i>Moderator: Cynthia K. Rigsby, MD, FACR</i>
8:00 AM	8:05 AM	Welcome
8:05 AM	8:30 AM	MR Diffusion-Weighted Imaging Update in Pediatric Body Imaging Govind Chavhan, MD, DABR
8:30 AM	8:50 AM	Whole Body MRI: Techniques and Non-oncologic Indications Mary-Louise C. Greer, MBBS, FRANZCR
8:50 AM	9:10 AM	PET/MRI: Where Do We Stand? Geetika Khanna, MD, MS
9:10 AM	9:30 AM	4-D Flow MRI in the Chest and Abdomen (Non-cardiac) Cynthia K. Rigsby, MD, FACR
9:30 AM	9:40 AM	Questions & Answers
<b>9:40 AM</b>	<b>10:00 AM</b>	<b>Break</b>

## PROGRAM - SUNDAY, September 17, 2017 (cont.)

<b>10:00 AM</b>	<b>12:15 PM</b>	<b>MRI and Oncology - SAM Session</b> <i>Moderator: Stephan Voss, MD, PhD</i>
10:00 AM	10:20 AM	MR Imaging and Oncology: The Clinical Perspective James Geller, MD
10:20 AM	10:40 AM	Staging and Following Common Pediatric Malignancies – MRI vs. CT vs. Other Imaging Approaches? Stephan Voss, MD, PhD
10:40 AM	11:00 AM	MRI Assessment of Therapy Response – What to Look For and How to Report Ethan Smith, MD
11:00 AM	11:20 AM	Imaging of Neuroblastic Tumors, Including IDRFs Alexander J. Towbin, MD
11:20 AM	11:40 AM	Imaging of Cancer Predisposition Syndromes Mary-Louise C. Greer, MBBS, FRANZCR
11:40 AM	12:00 PM	Body Imaging of Tuberous Sclerosis and Von Hippel-Lindau Disease Alexander J. Towbin, MD
12:00 PM	12:15 PM	Questions and Answers
<b>12:15 PM</b>		<b>Adjourn</b>

# Registration and Hotel Information

	Early	Regular
SPR Member Physician	\$600	\$650
Non-Member Physician	\$700	\$750
Active Duty Military	\$500	\$550
In-Training (Med. Student, Resident, Fellow)	\$300	\$350
Technologist/Allied Health Professional	\$300	\$350

Registration fees are in US Dollars. Fees for the SPR 2<sup>nd</sup> Pediatric Body MRI Course include tuition, teaching materials, continental breakfasts, coffee breaks and lunch on Friday and Saturday.

Early – On or before 8/4/2017 • Regular – 8/5/2017-9/8/2017  
*An additional fee applies to onsite registrations.*

**REGISTER ONLINE [HERE](#)**

*Be sure to review the cancellation and no-show policies listed on the online registration site.*

**Course Venue – Cincinnati Children’s Hospital Medical Center**  
3333 Burnet Avenue • Cincinnati, Ohio 45229

**Course Hotel Accommodations – Kingsgate Marriott at the University of Cincinnati**  
151 Goodman Drive • Cincinnati, Ohio 45219

## **Room Reservations:**

Phone: 1-888-720-1299

Online: Please use this [link](#).

*(You must identify yourself as being a part of The Society for Pediatric Radiology Group to take advantage of the discounted group rate.)*

**Room Rate:** \$129 Single/Double

**Check-in Time:** 4:00 p.m. Eastern Time

**Check-out Time:** 11:00 a.m. Eastern Time

*The above hotel fees are per night and are exclusive of applicable taxes, which are 17.5% at the time of posting and are subject to change.*

The cutoff date for reservations is **Monday, August 14, 2017 at 5:00 p.m. Eastern Time**. Do note that reservations may sell out prior to the cutoff date; therefore, it is recommended that you book your early. Reservations made after the cutoff date and time will be based on the room availability, and the group rate cannot be confirmed.

## MEETING CONTACT

### The Society for Pediatric Radiology

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For assistance with registration,  
please contact (800) 373-2204.

For all other inquiries, dial  
(703) 648-0680

## SPR 2<sup>nd</sup> Pediatric Body MRI Course

