SPR 2020
BODY MRI COURSE
SEPTEMBER 25-27, 2020

COURSE PROGRAM
ONLINE LIVE AND VIRTUAL

Be Educated and Be Safe! #BodyMRI20
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. Describe basic body MRI techniques and methods to improve the routine use of pediatric body MRI.
2. Discuss advanced MRI techniques that are being increasingly applied in pediatric body MRI, including quantitative methods.
3. Recognize the importance of sharing knowledge and clinical experiences regarding pediatric body MRI.
4. Identify the present and future roles of body MRI in pediatric oncology.

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 (ACCME) 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.

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

CREDIT DESIGNATION STATEMENT
The American College of Radiology designates this live activity for a maximum of 18.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

TECHNOLOGIST CREDIT DESIGNATION STATEMENT
The American College of Radiology designates this educational activity as meeting the criteria for up to 20.5 Category A credit hours of the ARRT.

SAM CREDITS
Qualified on May 19, 2020, select sessions from this activity meet the American Board of Radiology criteria for a self-assessment (SAM) activity and is designated for up to 5.5 SAM credits toward the ABR Maintenance of Certification Program.

CREDIT CLAIMING
INSTRUCTIONS TO RECEIVE CREDIT
In order to successfully complete the activity, participants must complete an activity evaluation and claim credit commensurate with their participation in the activity.

For questions regarding the accreditation of this activity, please contact the ACR at info@acr.org.
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Registration Information

<table>
<thead>
<tr>
<th></th>
<th>Full Meeting</th>
<th>1 Day</th>
<th>Half Day (Sunday Only)</th>
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<tr>
<td>SPR Member Physician</td>
<td>$400</td>
<td>$200</td>
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<td>Non-Member Physician</td>
<td>$500</td>
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<td>In-Training (Med. Student, Resident, Fellow)</td>
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<td>Technologist/Allied Health Professional</td>
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<td>Outside of North America</td>
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Registration fees are in US Dollars. Fees for the SPR 2020 Body MRI Course include tuition, teaching materials, and recordings of presentations (per approval from the registrar).

REGISTER ONLINE HERE
Be sure to review the cancellation and no-show policies listed on the online registration site.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>9:00 AM</td>
<td>Session 1: SAM Session: MRI Basics</td>
<td>Moderator: Taylor Chung, MD, FAAP</td>
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<tr>
<td>9:00 AM</td>
<td>Welcome</td>
<td>Welcome</td>
<td>Jonathan Dillman, MD, MSc; Govind B. Chavhan, MD, DABR, Manohar Shroff, MD</td>
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<tr>
<td>9:10 AM</td>
<td>MRI Physics Basics</td>
<td>Taylor Chung, MD, FAAP</td>
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<tr>
<td>9:30 AM</td>
<td>Strategies to Improve Your Pediatric Body MRI Service</td>
<td>Michael S. Gee, MD, PhD</td>
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<tr>
<td>9:50 AM</td>
<td>MRI Safety (Non-Gadolinium Chelate-Related)</td>
<td>Tushar Chandra, MD</td>
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<tr>
<td>10:10 AM</td>
<td>Normal MRI Signal Intensity Patterns in Abdomen</td>
<td>Geetika Khanna, MD, MS</td>
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<tr>
<td>10:40 AM</td>
<td>Questions &amp; Answers</td>
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<tr>
<td>10:40 AM</td>
<td>Break</td>
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<tr>
<td>11:00 AM</td>
<td>Session 2: SAM Session: MRI of the Liver</td>
<td>Moderator: Govind Chavhan, MD, DNB</td>
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<tr>
<td>11:00 AM</td>
<td>Clinical Perspective: Focal Liver Lesions</td>
<td>Simon Ling, MB, ChB, MRCP(UK)</td>
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<tr>
<td>11:20 AM</td>
<td>Liver MRI: How I Do It</td>
<td>Govind Chavhan, MD, DNB</td>
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<td>11:40 AM</td>
<td>Pediatric Liver Masses</td>
<td>Judy H. Squires, MD</td>
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<td>12:00 PM</td>
<td>Pediatric LI-RADS Update</td>
<td>Geetika Khanna, MD, MS</td>
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<td>12:20 PM</td>
<td>MRI of Fontan-Associated Liver Disease (FALD)</td>
<td>Jonathan Dillman, MD, MSc</td>
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<tr>
<td>12:40 PM</td>
<td>Panel Discussion With Audience Interaction</td>
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<tr>
<td>1:00 PM</td>
<td>Lunch</td>
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</table>
2:10 PM  2:40 PM  Session 3: MRI of the Pancreas, Biliary Tree and Bowel  
Moderator: Andrew T. Trout, MD

2:10 PM  2:30 PM  Clinical Perspective: Acute Recurrent and Chronic Pancreatitis  
Tanja Gonska, MD

2:30 PM  2:50 PM  Pancreatobiliary MRI: How I Do It  
Andrew T. Trout, MD

2:50 PM  3:10 PM  Pancreatitis and Revised Atlantic Criteria for the Pediatric Radiologist  
Mike A. Murati, MD

3:10 PM  3:30 PM  MR Enterography Update  
Amy B. Kolbe, MD

3:30 PM  3:40 PM  Questions & Answers

3:40 PM  4:10 PM  Break

4:10 PM  6:20 PM  Session 4A - Genitourinary MRI  
Moderator: Monica Epelman, MD

4:10 PM  4:30 PM  Clinical Perspective: Pelvic Masses in Girls  
Lisa Allen, MD

4:30 PM  4:50 PM  MRI of Female Pelvic Masses  
Rama Ayyala, MD

4:50 PM  5:10 PM  MRI of Mullerian Anomalies  
Monica Epelman, MD

5:10 PM  5:20 PM  Questions and Answers

5:20 PM  6:10 PM  Session 4B - Clinicoradiopathological Cases  
Thomas Walters, MBBS, MSc, FRACP; Iram Siddiqui, MD; Govind Chavhan, MD, DNB

6:10 PM  Adjourn

PROGRAM - SATURDAY, September 26, 2020

8:55 AM  10:50 AM  Session 5: Moving from Qualitative to Quantitative MRI in Children  
Moderator: Jonathan Dillman, MD, MSc

8:55 AM  9:00 AM  Welcome  
Jonathan Dillman, MD, MSc

9:00 AM  9:20 AM  Basics of T1, T2, T2*, T1rho, DWI  
Suraj D. Serai, PhD
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:20 AM</td>
<td>Quantitative Liver/Biliary MRI</td>
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<td>9:40 AM</td>
<td>Quantitative Renal MRI - MR Urography</td>
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<td>10:00 AM</td>
<td>Quantitative Pancreas MRI - Secretin MRCP</td>
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<td>10:20 AM</td>
<td>Quantitative Blood Flow: Phase Contrast Non-Cardiac Applications</td>
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<td>10:40 AM</td>
<td>Questions and Answers</td>
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<td>10:50 AM</td>
<td>Break</td>
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<td>11:10 AM</td>
<td>Session 6: SAM Session: MRI of the Vasculature</td>
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<td>11:10 AM</td>
<td>Clinical Perspective: Vascular Anomalies</td>
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<td>11:30 AM</td>
<td>Contrast-Enhanced MRA/MRV: How I Do It</td>
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<td>11:50 AM</td>
<td>Update on Non-Contrast MRA/MRV Techniques: What Are My Options?</td>
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<td>12:10 AM</td>
<td>MR Lymphangiography</td>
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<td>12:30 PM</td>
<td>Update on MRI Assessment of Vascular Anomalies</td>
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<tr>
<td>12:50 PM</td>
<td>Panel Discussion With Audience Interaction</td>
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<td>1:10 PM</td>
<td>Lunch</td>
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<td>2:10 PM</td>
<td>Session 7: SAM Session: Thoracic Imaging</td>
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<td>2:10 PM</td>
<td>UTE MRI</td>
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<td>2:30 PM</td>
<td>Practical Protocol for Lung MRI and Common Clinical Applications</td>
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<td>2:50 PM</td>
<td>MRI of Congenital Lung Malformations</td>
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<td>3:10 PM</td>
<td>MRI of the Mediastinum</td>
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<td>3:30 PM</td>
<td>Questions and Answers</td>
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<td>3:40 PM</td>
<td>Break</td>
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<tr>
<td>4:10 PM</td>
<td>Session 8: PED-Talks – Passion and Philosophy</td>
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<td>4:10 PM</td>
<td>Neonatal Hemochromatosis: What Difference Can MRI Make in the Life of a</td>
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<td>4:20 PM</td>
<td>Should I Sedate for MRI or Radiate with CT?</td>
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<tr>
<td>4:30 PM</td>
<td>Gadolinium Deposition: Should I Worry About It?</td>
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<td>4:40 PM</td>
<td>How to Quit Using Gd Chelates for MRI</td>
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<td>4:50 PM</td>
<td>Best Ideas to Adapt From Adults - AI Development in Pediatric MRI</td>
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<tr>
<td>5:00 PM</td>
<td>Why Should MRI Be The First-Line Imaging for Appendicitis in Children?</td>
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<td>5:10 PM</td>
<td>Questions and Answers</td>
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<tr>
<td>5:20 PM</td>
<td>Case-Based Interactive Session II:</td>
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<td>6:10 PM</td>
<td>Adjourn</td>
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</table>
PROGRAM - SUNDAY, September 27, 2020

8:55 AM  10:50 AM  Session 9: ISMRM-SPR Session on Advanced MRI Techniques
Moderator: Michael S. Gee, MD, PhD

8:55 AM  9:00 AM  Welcome

9:00 AM  9:20 AM  Minimizing MRI Sedation
Michael S. Gee, MD, PhD

9:20 AM  9:40 AM  Hyperpolarized MRI: Current Status and Future Application
Giles Santyr, PhD, FCCPM

9:40 AM  10:00 AM  Approaches to Achieving Motion Robustness in Pediatric Body MRI
Simon Warfield, PhD

10:00 AM  10:20 AM  AI in PET/MRI
Georges El Fakhri, PhD

10:20 AM  10:40 AM  Radial Sequences and Compressed Sensing in Pediatric Body MRI
Dianna M. E. Bardo, MD, FSCCT, FNASCI

10:40 AM  10:50 AM  Questions and Answers

10:50 AM  11:10 AM  Break

11:10 AM  1:10 PM  Session 10: SAM Session: MRI and Oncology
Moderator: Heike E. Daldrup-Link, MD, PhD

11:10 AM  11:30 AM  Clinical Perspective: Pediatric Sarcomas – What I Need From a Radiologist?
Abha Gupta, MD, MSc, FRCPC

11:30 AM  11:50 AM  Update from COG Committee on Sarcomas
Adina L. Alazraki, MD

11:50 AM  12:10 PM  Update From COG Committee on Renal Masses
Ethan A. Smith, MD

12:10 PM  12:30 PM  "One Stop" Local and Whole Body Staging of Children With Cancer
Heike E. Daldrup-Link, MD, PhD

12:30 PM  12:50 PM  Screening of Cancer Predisposition Syndromes
Mary-Louise C. Greer, MBBS, FRANZCR

12:50 PM  1:10 PM  Panel Discussion With Audience Interaction

1:10 PM  Adjourn