

SPR 2020 BODY MRI COURSE

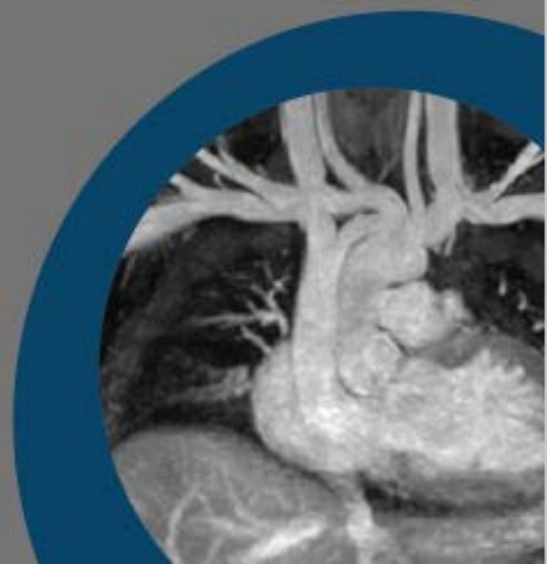
SEPTEMBER 25-27, 2020



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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PROGRAM - FRIDAY, September 25, 2020

9:00 AM	10:40 AM	Session 1: MRI Basics <i>Moderator: Taylor Chung, MD, FAAP</i>
9:00 AM	9:10 AM`	Welcome <i>Jonathan Dillman, MD, MSc; Govind B. Chavhan, MD, DABR, Manohar Shroff, MD</i>
9:10 AM	9:30 AM	MRI Physics Basics Taylor Chung, MD, FAAP
9:30 AM	9:50 AM	Strategies to Improve Your Pediatric Body MRI Service Michael S. Gee, MD, PhD
9:50 AM	10:10 AM	MRI Safety (Non-Gadolinium Chelate-Related) Tushar Chandra, MD
10:10 AM	10:30 AM	Normal MRI Signal Intensity Patterns in Abdomen Geetika Khanna, MD, MS
10:30 AM	10:40 AM	Questions & Answers
10:40 AM	11:00 AM	Break
11:00 AM	1:00 PM	Session 2: SAM Session: MRI of the Liver <i>Moderator: Govind Chavhan, MD, DNB</i>
11:00 AM	11:20 AM	Clinical Perspective: Focal Liver Lesions Simon Ling, MB, ChB, MRCP(UK)
11:20 AM	11:40 AM	Liver MRI: How I Do It Govind Chavhan, MD, DNB
11:40 AM	12:00 PM	Pediatric Liver Masses Judy H. Squires, MD
12:00 PM	12:20 PM	Pediatric LI-RADS Update Geetika Khanna, MD, MS
12:20 PM	12:40 PM	MRI of Fontan-Associated Liver Disease (FALD) Jonathan Dillman, MD
12:40 PM	1:00 PM	Panel Discussion With Audience Interaction
1:00 PM	2:10 PM	Lunch

PROGRAM - FRIDAY, September 25, 2020 (cont.)

2:10 PM	2:40 PM	Session 3: MRI of the Pancreas, Biliary Tree and Bowel <i>Moderator: Andrew T. Trout, MD</i>
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 Atlanta 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 <i>Moderator: Monica Epelman, MD</i>
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 <i>Moderator: Jonathan Dillman, MD</i>
8:55 AM	9:00 AM	Welcome Jonathan Dillman, MD
9:00 AM	9:20 AM	Basics of T1, T2, T2*, T1rho, DWI Suraj D. Serai, PhD

PROGRAM - SATURDAY, September 26, 2020 (cont.)

9:20 AM	9:40 AM	Quantitative Liver/Biliary MRI Jonathan Dillman, MD
9:40 AM	10:00 AM	Quantitative Renal MRI - MR Urography J. Damien Grattan-Smith, MD
10:00 AM	10:20 AM	Quantitative Pancreas MRI - Secretin MRCP Andrew T. Trout, MD
10:20 AM	10:40 AM	Quantitative Blood Flow: Phase Contrast Non-Cardiac Applications Shi-Joon Yoo, MD, PhD
10:40 AM	10:50 AM	Questions and Answers
10:50 AM	11:10 AM	Break
11:10 AM	1:10 PM	Session 6: SAM Session: MRI of the Vasculature <i>Moderator: Oscar Navarro Kunstmann, MD</i>
11:10 AM	11:30 AM	Clinical Perspective: Vascular Anomalies Joao Amaral, MD
11:30 AM	11:50 AM	Contrast-Enhanced MRA/MRV: How I Do It Christopher Lam, MD
11:50 AM	12:10 PM	Update on Non-Contrast MRA/MRV Techniques: What Are My Options? Sherwin S. Chan, MD
12:10 AM	12:30 PM	MR Lymphangiography David M. Biko, MD
12:30 PM	12:50 PM	Update on MRI Assessment of Vascular Anomalies Oscar Navarro Kunstmann, MD
12:50 PM	1:10 PM	Panel Discussion With Audience Interaction
1:10 PM	2:10 PM	Lunch
2:10 PM	3:40 PM	Session 7: SAM Session: Thoracic Imaging <i>Moderator: Paul G. Thacker, Jr., MD, M.H.A.</i>
2:10 PM	2:30 PM	UTE MRI Robert J. Fleck, Jr., MD
2:30 PM	2:50 PM	Practical Protocol for Lung MRI and Common Clinical Applications Kushaljit Singh Sodhi, MD, PhD, MAMS, FICR
2:50 PM	3:10 PM	MRI of Congenital Lung Malformations Beverly Newman, MD, FACR

PROGRAM - SATURDAY, September 26, 2020 (cont.)

3:10 PM	3:30 PM	MRI of the Mediastinum Paul G. Thacker, Jr., MD, M.H.A.
3:30 PM	3:40 PM	Questions and Answers
3:40 PM	4:10 PM	Break
4:10 PM	6:10 PM	Session 8: PED-Talks – Passion and Philosophy
4:10 PM	4:20 PM	Neonatal Hemochromatosis: What Difference Can MRI Make in the Life of a Neonate? Govind Chavhan, MD, DNB
4:20 PM	4:30 PM	Should I Sedate for MRI or Radiate with CT? Michael J. Callahan, MD
4:30 PM	4:40 PM	Gadolinium Deposition: Should I Worry About It? Ramesh S. Iyer, MD, MBA
4:40 PM	4:50 PM	How to Quit Using Gd Chelates for MRI Heike E. Daldrup-Link, MD, PhD
4:50 PM	5:00 PM	Best Ideas to Adapt From Adults - AI Development in Pediatric MRI Michael Moore, MD
5:00 PM	5:10 PM	Why Should MRI Be The First-Line Imaging for Appendicitis in Children? Unni Udayasankar, MD
5:10 PM	5:20 PM	Questions and Answers
5:20 PM	6:10 PM	Case-Based Interactive Session II: Jonathan Dillman, MD; Gary R. Schooler, MD
6:10 PM		Adjourn

PROGRAM - SUNDAY, September 27, 2020

8:55 AM	10:50 AM	Session 9: Advances in 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