



## Faculty:

### Sumit Pruthi, MD

Course Director  
Vanderbilt University



### Unni Udayasankar MD, FRCR

Course Director  
University of Arizona



### Esben Vogelius, MD

Cleveland Clinic, Ohio



## Course Overview



This hands-on, three-day course, led by Sumit Pruthi, MD, Unni Udayasankar MD, FRCR, and Esben Vogelius, MD, provides practicing radiologists with intensive education in all aspects of pediatric radiology. The course will be broadly classified into three domains — pediatric body imaging, pediatric musculoskeletal imaging and pediatric neuroradiology. Basic and advanced imaging techniques will be reviewed with a focus on reducing/avoiding radiation-

based studies and need for sedation.

Participants will have access to more than 300 pediatric radiology examinations covering all organ systems and modalities on a PACS workstation. Key teaching points will be provided for each imaging study with examples highlighting developmental variants and age appropriate normal findings.

## Program Objectives

At the conclusion of this course, participants will be able to:

- Provide a thorough, across-the-board review of pediatric radiology techniques and pathology to the practicing radiologist.
- Focus on specific imaging needs in children with emphasis on implementing appropriate imaging techniques concentrated on the age of the child and the clinical question to be answered.
- Highlight challenges encountered in pediatric radiology practice and offer practical solutions in following areas: radiation, IV/oral contrast, child life, sedation, communication with parents and referring physicians.
- To create a large case engine in pediatric radiology with more than 300 cases that would be grouped into the following three major subsections: pediatric body imaging, pediatric musculoskeletal imaging and pediatric neuroradiology.
- Offer detailed reports for each case in the case engine stressing the key teaching points that guide the attendees to an accurate diagnosis.
- Stratify cases according to their incidence in the general pediatric population and based on their level of interpretative difficulty.
- Illustrate normal developmental variants that mimic pathology on imaging studies.

## Workstation

FUJI Synapse

## Certificate

Attendees who complete a minimum of 100 cases will be awarded a Certificate of Completion in pediatric radiology.

Accreditation Statement: The American College of Radiology is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Designation Statement: The American College of Radiology designates this live activity for 31 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Qualified on 5/16/19, this activity meets the American Board of Radiology's criteria for a self-assessment (SAM) activity and is designated for up to 22 SAM credits toward the ABR Maintenance of Certification program.

|  |                   |   |
|--|-------------------|---|
|  | 7:00 a.m.         | Workstation Introduction  |
|  | <b>8:00 a.m.</b>  | <b>Introduction to Pediatric Radiology (Challenges in Radiation, Sedation, Parental Concerns, Child Life Specialists, IV/Oral contrast, MRI Techniques)</b> |
|  | 9:00 a.m.         | ACR Case Engine Introduction  |
|  | 9:15 a.m.         | Supervised Case Review  |
|  | 10:00 a.m.        | Break   |
|  | 10:15 a.m.        | Supervised Case Review  |
|  | <b>11:00 a.m.</b> | <b>Pediatric and Neonatal Chest Disorders</b>   |
|  | Noon              | Lunch   |
|  | 12:30 p.m.        | Supervised Case Review  |
|  | <b>2:00 p.m.</b>  | <b>Pediatric Fractures and Non-Accidental Trauma</b>  |
|  | 3:00 p.m.         | Break   |
|  | 3:15 p.m.         | Supervised Case Review  |
|  | <b>4:00 p.m.</b>  | <b>Pediatric Brain: Is This Appearance Normal for Age?</b>  |
|  | 5:00 p.m.         | Supervised Case Review  |
|  | 5:30 p.m.         | Cocktail Reception  |
|  | 6:00 p.m.         | Optional Time for Self-Review of Cases  |
|  | 8:00 p.m.         | Course Concludes  |
|  | 7:00 a.m.         | Optional Time for Self-Review of Cases  |
|  | <b>8:00 a.m.</b>  | <b>Genitourinary Pathologies in Children</b>  |
|  | 9:00 a.m.         | Supervised Case Review  |
|  | 10:00 a.m.        | Break   |
|  | 10:15 a.m.        | Supervised Case Review  |
|  | <b>11:00 a.m.</b> | <b>Tumors of the Pediatric Brain and Spine</b>  |
|  | Noon              | Lunch   |
|  | 12:30 p.m.        | Supervised Case Review  |
|  | <b>2:00 p.m.</b>  | <b>Pediatric Bone Marrow Imaging and Normal Variants</b>  |
|  | 3:00 p.m.         | Break   |
|  | 3:15 p.m.         | Supervised Case Review  |
|  | <b>4:00 p.m.</b>  | <b>Fluoroscopic Studies of the Chest and Abdomen</b>  |
|  | 5:00 p.m.         | Supervised Case Review  |
|  | 6:00 p.m.         | Optional Time for Self-Review of Cases  |
|  | 8:00 p.m.         | Course Concludes  |
|  | 7:00 a.m.         | Optional Time for Self-Review of Cases  |
|  | <b>8:00 a.m.</b>  | <b>Emergency Imaging of the Abdomen, Abdominal Masses</b>   |
|  | 9:00 a.m.         | Supervised Case Review  |
|  | 10:00 a.m.        | Break   |
|  | 10:15 a.m.        | Supervised Case Review  |
|  | <b>11:00 a.m.</b> | <b>Common Head and Neck Masses in Children</b>  |
|  | Noon              | Lunch   |
|  | 12:30 p.m.        | Supervised Case Review  |
|  | <b>2:00 p.m.</b>  | <b>MRI in Pediatric MSK: Trauma, Infection and Tumors</b>   |
|  | 2:45 p.m.         | Break   |
|  | 3:00 p.m.         | Supervised Case Review  |
|  | 4:00 p.m.         | Course Concludes  |

### Lectures are in bold

*"All faculty were excellent, enthusiastic and patient."*

— Rebecca L. Sahlman  
Kennedy University Hospital, NJ