

# About Us

## The CHOP Pediatric Radiology International Outreach Program

The Children's Hospital of Philadelphia (CHOP) Pediatric Radiology International Outreach Program was established in 2008 with instrumental support from Kassa Darge, M.D., Ph.D., Chief of the Division of Body Imaging at CHOP. With continued support from the Department of Radiology and its Radiologist-in-Chief Diego Jaramillo, M.D., the program has flourished. Today, activities focus on promoting pediatric radiology through education in Ethiopia, Botswana, Colombia and Eastern Europe.

Outreach in Ethiopia is conducted under the umbrella of the World Federation of Pediatric Imaging (WFPI) and has two components:

1. A partnership with Addis Ababa University's Department of Radiology, Faculty of Medicine to:
  - Promote and support pediatric radiology education during radiology residency
  - Establish and support an international pediatric radiology fellowship
2. A partnership with the Radiological Society of Ethiopia (RSE) to:
  - Conduct an annual national pediatric radiology continuing medical education course

## The Children's Hospital of Philadelphia

The Children's Hospital of Philadelphia (CHOP) was established in 1855 as the first children's hospital in the United States. Over the past 160 years, CHOP has grown to be one of the most active pediatric facilities in the nation — with more than 500 beds and more than 1.2 million patients each year — and is nationally renowned as one of the top children's hospitals. CHOP and the University of Pennsylvania jointly run the largest pediatric resident training program, which has consistently been named the No. 1 program in the nation by *U.S. News & World Report*, and CHOP has the largest research budget from the National Institutes of Health (NIH) among pediatric hospitals.

## The Department of Radiology

The Department of Radiology at The Children's Hospital of Philadelphia is a fully accredited program made up of five divisions:

- Division of Body Imaging
- Division of Nuclear Medicine
- Division of Neuroradiology
- Division of Research
- Division of Interventional Radiology

The Department has more than 350 staff members, including pediatric radiologists, pediatric radiology fellows, rotating residents, Ph.D. researchers, research assistants and nurses, and annually hosts more than 200 national and international observers.

The Department's state-of-the-art imaging technologies include:

- MRI – PET MRI
- Fluoroscopy
- CT
- Interventional radiology suites
- PET-CT
- SPECT/CT
- MEGs
- Dual head SPECT nuclear cameras
- Ultrasound
- Digital radiography

*\*All imaging is digital and archived in a PACS system*



Penn Medicine



The Children's Hospital of Philadelphia®  
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# Course Information

**Saturday, October 10, 2015**

8 a.m. – 5 p.m.

Elilly International Hotel

Addis Ababa, Ethiopia

## Course Overview

This one-day, national, comprehensive post-graduate course — organized by the Department of Radiology at The Children's Hospital of Philadelphia and the Perelman School of Medicine at the University of Pennsylvania as part of the CHOP Pediatric Radiology International Outreach Program, in collaboration with the Radiological Society of Ethiopia — is intended for radiologists, radiology residents, radiology technologists, pediatricians, and pediatric subspecialists such as pediatric surgeons and others. The faculty includes experts in the field of pediatric radiology who engage in state-of-the-art clinical imaging, dynamic teaching and cutting-edge research.

For this course, 6 continuing education units (CEUs) will be granted.

## Course Objectives

*Upon completion of this educational activity, participants will be able to:*

1. Describe dedicated pediatric imaging techniques.
2. Recognize unique imaging features of pediatric pathologies.
3. Understand specific advanced pediatric imaging modalities.



# Agenda

**Saturday, October 10, 2015**

## MORNING SESSIONS

8 a.m. - Registration

8:30-10:45 a.m. - Session I

Moderator: *Abebe Mekonnen, M.D.,  
Radiological Society of Ethiopia*

8:30 a.m. - Sunrise Session

A Potpourri of Pediatric Cases –  
Part I Miscellaneous: Test Your Diagnostic Skills  
*Pooja Renjen, M.D.*

9 a.m.

Opening of the 5th Annual Pediatric Radiology  
CME Course  
*Tesfaye Kebede, M.D., President, Radiological  
Society of Ethiopia*

9:10 a.m.

Introduction: CHOP Pediatric Radiology  
International Outreach Program Faculty  
*Kassa Darge, M.D., Ph.D.*

9:15 a.m.

Musculoskeletal (MSK) Ultrasound: A Primer  
*Sung H. Kim, M.D.*

9:45 a.m.

Pediatric Neuroimaging: CT and MR Protocols  
and Basic Techniques  
*Karuna Shekdar, M.D.*

10:15 a.m.

Ultrasound of the Brain: The Basics and Beyond  
*Kassa Darge, M.D., Ph.D.*

10:45 a.m. - Coffee Break

11 a.m.-1 p.m. - Session II

Moderator: *Abebe Habtamu, M.D.,  
Pediatric Gastroenterologist, Ethiopian Pediatric Society*

11 a.m.

Review of Pediatric Gastrointestinal Imaging  
*Pooja Renjen, M.D.*

11:30 a.m.

MRI of the Knee: Techniques and Findings  
*Sung H. Kim, M.D.*

Noon

Emergency Pediatric Neuroimaging:  
What Every Radiologist Should Know  
*Karuna Shekdar, M.D.*

12:30 p.m.

MRI of the Ankle: Techniques and Findings  
with Ultrasound Correlates  
*Sung H. Kim, M.D.*

1 p.m. - Lunch Break

## AFTERNOON SESSIONS

2-3:45 p.m. - Session III

Moderator: *Daniel Admassie, M.D.,  
Radiological Society of Ethiopia*

2 p.m.

A Potpourri of Pediatric Cases –  
Part II Neuroimaging: Test Your Diagnostic Skills  
*Karuna Shekdar, M.D.*

2:30 p.m.

Review of Pediatric Musculoskeletal Imaging  
*Pooja Renjen, M.D.*

3 p.m.

MRI of the Shoulder: Techniques and Findings  
with Emphasis on Sports Injuries  
*Sung H. Kim, M.D.*

3:30 p.m.

Pediatric Radiology Unknown Cases: A Quiz with a Prize  
*Organized by Shankar Rajeswaran, M.D.;*  
*Presented by Kassa Darge, M.D., Ph.D.*

3:45 p.m. - Coffee Break

4-5 p.m. - Session IV

Moderator: *Ayalew Moges, M.D.,  
Pediatric Neurologist, Ethiopian Pediatric Society*

4 p.m.

Neuroimaging in Pediatric Epilepsy  
*Karuna Shekdar, M.D.*

4:30 p.m.

Urinary Tract Dilation: The New Classification System  
*Kassa Darge, M.D., Ph.D.*

4:50 p.m.

Prize Awarded to the Winner of “Pediatric Radiology  
Unknown Cases” & Closing Remarks  
*Kassa Darge, M.D., Ph.D., and Alemayehu Bedane, M.D.,  
Radiological Society of Ethiopia*

5 p.m. - Course Ends

# Faculty

## 2015 Faculty

From the Department of Radiology  
at The Children's Hospital of Philadelphia:



*Kassa Darge, M.D., Ph.D.\**  
Chief, Division of Body Imaging  
The John W. Hope Endowed Chair for  
Radiology Faculty Development  
Coordinator, CHOP Pediatric Radiology  
International Outreach Program  
Professor of Radiology and Professor  
of Radiology in Surgery

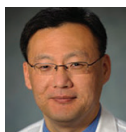


*Karuna Shekdar, M.D.\**  
Pediatric Neuroradiology  
Attending Physician  
Assistant Professor of Clinical Radiology



*Shankar Rajeswaran, M.D.*  
Pediatric Radiology Fellow

From the Department of Radiology at  
the Hospital of the University of Pennsylvania:



*Sung H. Kim, M.D.\**  
Musculoskeletal Imaging  
Fellowship Director  
Assistant Professor of Clinical Radiology

## Guest Faculty



*Pooja Renjen, M.D.*  
Assistant Attending Radiologist  
Pediatric Radiology Unit,  
Department of Radiology  
New York-Presbyterian Hospital  
Assistant Professor of Radiology  
Weill Cornell Medical College  
New York, N.Y.

## Past Faculty

Over the years a number of faculty members from  
CHOP — as well as guest faculty members from other  
institutions in the United States and Europe — have  
participated in this program.

### CHOP Faculty:

*Anne Marie Cahill, M.D.*

*Kassa Darge, M.D., Ph.D.*

*Stanley Ewing, M.D.*

*Diego Jaramillo, M.D., M.P.H.*

*Marc Keller, M.D.*

*Andrew Mong, M.D.*

*Janet Reid, M.D.*

*Sabah Servaes, M.D.*

*Teresa Victoria, M.D., Ph.D.*

### Guest Faculty:

*Savvas Andronikou, M.B.B.Ch., Ph.D.* —  
Capetown, South Africa

*Bruno Betsch, M.D.* —  
Neustadt a.d. Weinstrasse, Germany

*Giles Boland, M.D.* — Boston, Mass., USA

*Wolfgang Hirsch* — Leipzig, Germany

*Mitchell Miller, M.D.* — New York, N.Y., USA

*Kieran McHugh* — London, UK

*Edsa Negussie* — Detroit, Mich., USA

*Hansel Otero, M.D.* — Washington, D.C., USA

*Pooja Renjen, M.D.* — New York, N.Y., USA

*Peter Taylor, M.D.* — Albany, N.Y., USA

\*Faculty of the Perelman School of Medicine at the University of Pennsylvania

# Course Support

The 5th Annual Pediatric Radiology Continuing Medical Education Course



This pediatric radiology continuing medical education (CME) course was jointly organized by the Department of Radiology, The Children's Hospital of Philadelphia (CHOP) as part of the Pediatric Radiology International Outreach Program and the Radiological Society of Ethiopia (RSE) under the auspices of the World Federation of Pediatric Imaging (WFPI).

The organization of the course was made possible through generous financial support from the following entities:

## Main Sponsors:



DEPARTMENT OF RADIOLOGY

Radiology Associates of Children's Hospital (RACH)  
The Children's Hospital of Philadelphia  
Philadelphia, Pennsylvania, USA



Ethiopian Medical Association (EMA)  
Addis Ababa, Ethiopia

## Additional Sponsors:



GLOBAL HEALTH CENTER

INTERNATIONAL MEDICINE

The Global Health Center  
The Children's Hospital of Philadelphia  
Philadelphia, Pennsylvania, USA

