



Faculty members & RSE officers at the end of the 2012 CME course.

Within this program in Ethiopia a number of faculty members have already rotated from CHOP in the past. These include Prof. (Assoc.) Anne Marie Cahill, Prof. Kassa Darge, Prof. Diego Jaramillo and Prof. Marc Keller. In addition, guest faculty members were Dr. Stanley Ewing, Division of Cardiology, CHOP; Prof. Giles Boland, Massachusetts General Hospital, Harvard University, Boston; Prof. Savvas Andronikou, University of Witwatersrand, Johannesburg, South Africa and Dr. Bruno Betsch, Neustadt a.d. Weinstrasse, Germany. This year has seen the highest number of faculty members rotating through Addis Ababa to date. In the second half of 2013 we had 3 guest faculty members from the USA: Dr. Pooja Reenjen, Cornell University, New York; Dr. Mitchell Miller, New York and Dr. Peter Taylor, Albany. For this CME Course there are 3 faculty members from CHOP. Thus 6 faculty members have spent about 6 weeks in 2013 in Addis Ababa within the framework of this program.

## COURSE OVERVIEW

This one-day national comprehensive post-graduate course is intended for radiologists, radiology residents, radiology technologists, pediatricians and pediatric subspecialists such as pediatric surgery, neonatology and others. The faculty includes experts in the fields of pediatric radiology who engage in top-quality clinical imaging, dynamic teaching and cutting-edge research.

## COURSE OBJECTIVES

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

1. Describe dedicated pediatric imaging techniques.
2. Recognize unique imaging features of pediatric pathologies.
3. Apply the above knowledge to daily practice.

## COURSE SUPPORT



This pediatric radiology continuing medical education (CME) course was jointly organized by The Children's Hospital of Philadelphia (CHOP) Pediatric Radiology International Outreach Program of the Department of Radiology and the Radiological Society of Ethiopia (RSE) under the auspices of the World Federation of Pediatric Imaging (WFPI). The local organization of the course was made possible through the generous financial support from the following entities:

### Main sponsors:

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



2. Ethiopian Medical Association  
Addis Ababa, Ethiopia



### Additional sponsors:

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



4. The Taybi Memorial Lecture Fund  
for Visiting Professor, Department of Pediatric Radiology  
(Dr. Ronald Cohen)

Children's Hospital & Research Center  
Oakland, Oakland, California, USA



5. The Pediatric Radiology Visiting Professor Fund  
Pediatric Imaging Center (Dr. Stuart Royal)  
Children's of Alabama, Birmingham  
Alabama, USA



6. The Pediatric Radiology Visiting Professor Fund  
Department of Radiology (Dr. Michael Zerlin)  
Wayne State School of Medicine Detroit  
Michigan, USA



Kassa DARGE, MD, PhD  
Professor of  
Radiology and Surgery  
The John W. Hope Endowed  
Chair & Chief,  
Division of Body Imaging  
Coordinator,  
The CHOP Pediatric  
Radiology International  
Outreach Program



Janet REID, MD, FRCPC  
Associate Professor of  
Radiology  
The Patricia Borns Endowed  
Chair & Chief,  
Radiology Education



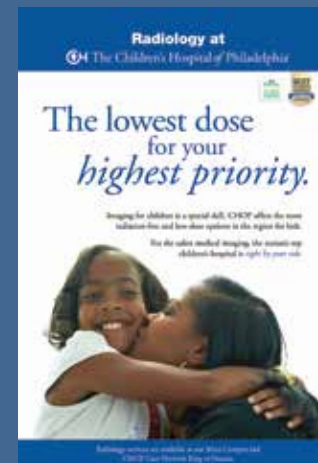
Sabah Servaes, MD  
Assistant Professor of  
Radiology  
Director, Body Computed  
Tomography  
Director, Residency and  
Fellowship Program



Hansel Otero, MD  
Fellow, Pediatric Radiology  
Division of Body Imaging  
Organizer of:  
Pediatric Radiology Unknown  
Cases: A Quiz with a Price!



The new CHOP Bueger Ambulatory Care Center opening in 2015



The cover page of the pediatric radiology curriculum

Brochure design by:  
Jessica Yim, MBA, MS  
Multimedia Specialist

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1-800 TRY CHOP www.chop.edu

# The 3rd Annual Pediatric Radiology CONTINUING MEDICAL EDUCATION

*Addis Ababa - Ethiopia*



Organized by  
The International  
Pediatric Radiology Outreach Program  
of the Department of Radiology  
The Children's Hospital of Philadelphia  
(CHOP)  
University of Pennsylvania  
Philadelphia, USA



In collaboration with

Radiological Society of Ethiopia



Saturday, December 14, 2013

8:00 am – 5:00 pm

Harmony (behind Enda Mall), Addis Ababa, Ethiopia

# PROGRAM

Date: Saturday, December 14, 2013  
Time: 8:00 am – 5:00 pm

## MORNING SESSIONS

8:00 a.m. **Registration**

8:15 a.m. **Opening**  
*Dr. Amal Saleh*  
President, Radiological Society of Ethiopia

8:20 a.m. **Introduction of the external faculty**  
*Prof. Kassa Darge*  
The Children's Hospital of Philadelphia, University of Pennsylvania

**SESSION I – 8:30-10:30 a.m.**  
Moderator: Dr. Getachew Assefa, RSE

8:30 a.m. **A Potpourri Of Pediatric Cases – Part 1 Neuro: Test your diagnostic skills**  
*Prof. (Assoc.) Janet Reid,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

9:00 a.m. **Ultrasound of the neonatal brain: How, when and what?**  
*Dr. Sabah Servaes,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

9:30 a.m. **Appendicitis: Focus on ultrasound**  
*Prof. Kassa Darge,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

10:00 a.m. **CT for abdominal trauma: How we do it**  
*Prof. (Assoc.) Janet Reid,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

10:30 a.m. **COFFEE BREAK**  
  
**SESSION II – 11:00 a.m.-12:45 p.m.**  
Moderator: Dr. Kale-ab Tesfaye , RSE

11:00 a.m. **A Potpourri Of Pediatric Cases – Part 2 Gynae: Test your diagnostic skills**  
*Prof. (Assoc.) Sabah Servaes,*  
Department of Radiology The Children's Hospital of Philadelphia, University of Pennsylvania

11:15 a.m. **MR imaging: Best in practice**  
*Prof. (Assoc.) Janet Reid,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

11:45 a.m. **Ectopic ureter: a big problem and difficult diagnosis**  
*Prof. Kassa Darge,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

12:15 a.m. **Musculoskeletal ultrasound: important to learn and do!**  
*Dr. Sabah Servaes,*  
Department of Radiology The Children's Hospital of Philadelphia, University of Pennsylvania

12:45 p.m. **LUNCH BREAK**

## AFTERNOON SESSION

**SESSION III – 1:45-3:30 p.m.**  
Moderator: Dr. Abebe Mekonnen, RSE

1:45 p.m. **ANSWERS TO: Pediatric Radiology Unknown Cases: A Quiz with a Prize!**  
*Dr. Hansel Otero and Prof. Kassa Darge,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

2:00 p.m. **Reducing radiation dose in pediatric CT**  
*Dr. Sabah Servaes,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

2:30 p.m. **CT for musculoskeletal trauma**  
*Prof. (Assoc.) Janet Reid,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

3:00 p.m. **Ultrasound imaging of acute scrotum**  
*Prof. Kassa Darge,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

## 3:30 p.m. COFFEE BREAK

**SESSION IV– 3:45-4:45 p.m.**  
Moderator: Dr. Alemayehu Bedane, RSE

3:45 p.m. **Use of intravenous contrast in pediatric CT**  
*Dr. Sabah Servaes,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

4:00 p.m. **Imaging of pediatric brain emergencies**  
*Prof. (Assoc.) Janet Reid,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

4:30 p.m. **Prize award to the winner of Pediatric Radiology Unknown Cases: A Quiz with a Price!**  
*Prof. Kassa Darge,*  
Department of Radiology, The Children's Hospital of Philadelphia, University of Pennsylvania

4:35 p.m. **Closing remarks X,**  
Radiological Society of Ethiopia

4:45 p.m. **END OF COURSE**



RSE officers with CME course attendees

# COURSE INFORMATION

## BACKGROUND

### The Children's Hospital of Philadelphia (CHOP)



CHOP was established in 1855 as the first children's hospital in the United States. Over the past 158 years it has grown not only to be one of the biggest pediatric centers but the number 1 children's hospital in the country. It has the largest pediatric training program under the University of Pennsylvania, which was voted as the best one this year. CHOP has the largest research budget from the National Institute of Health (NIH) among pediatric hospitals. Over 10,000 people work at CHOP including some 1,700 physicians and 4,000 nurses. The main hospital has over 500 beds and more than 1.2 million patients pass through CHOP annually. Since 2008 CHOP has a "Global Health Center" which supports international outreach activities including this CME course.

### The CHOP Department of Radiology

The Department of Radiology has 5 divisions: 1. Division of Body Imaging, 2. Division of Neuroradiology, 3. Division of Interventional Radiology, 4. Division of Nuclear Medicine and 5. Division of Research. The Department has about 350 staff members including 30 pediatric radiologists, 13 pediatric radiology fellows, 5-8 rotating radiology residents each month with a total of over 50 residents per year, 8 PhD researchers, 15 research assistants and 90 nurses. The Department annually hosts over 200 national and international observers. The CHOP Department of Radiology is equipped with 9 MRI scanners, 4 CTs, 1 PET-CT, 3 MEGs, 15 ultrasound machines, 6 fluoroscopy units, 3 interventional radiology suites, 3 SPECT/CT, 4 dual head SPECT nuclear cameras, and digital radiology. All imaging is digital and is archived in a PACS system.

### The CHOP Pediatric Radiology International Outreach Program

The CHOP Pediatric Radiology Outreach Program was established in the Department in 2008. Prof. Kassa Darge, who was involved in international medical outreach activities since 1991, was instrumental in starting this initiative. With the continued support by the Department of Radiology and its radiologist-in-chief Prof. Diego Jaramillo the program is expanding. Under the umbrella of this program the international activities of the Department have focused in Ethiopia, Botswana, Colombia and Eastern Europe. The primary objective of these activities is to advance pediatric radiology through education.

### The CHOP Pediatric Radiology Outreach Program in Ethiopia has 2 partners and the following objectives:

1. The Department of Radiology, Faculty of Medicine, Addis Ababa University
  - Promoting and supporting pediatric radiology education during radiology residency
  - Establishing and supporting an international pediatric radiology fellowship



Prof. Jaramillo & Andronikou as external radiology board examiners at the Tikur Anbessa Hospital (right)

2. The Radiological Society of Ethiopia (RSE)
  - Conducting an annual national pediatric radiology continuing medical education



Participants of the 2012 CME course.