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OBJECTIVES

International Pediatric Radiology Fellowship Outreach

Background

CHOP fellowship outreach
OBJECTIVES

International Pediatric Radiology Fellowship Outreach

Background

CHOP fellowship outreach
MEDICAL ADVANCES
Present and not going away!

- Part of modernization process
- Paradoxical
- Inequality of distribution
MEDICAL ADVANCES

How do they come about?

- Government initiated process
- Private business enterprises
- International donors
- Institutional support

BACKGROUND

Africa, With U.S. Help, Graduates More Doctors

The four-year, $130 million program, the Medical Education Partnership Initiative, has given grants to 13 academic institutions in 12 countries. In the journal Academic Medicine, more than 200 participants detail their progress in increasing student enrollment, developing research capacity and broadening curriculums.
MEDICAL ADVANCES

How do they translate to radiology?

- Medical schools – radiology departments
- Radiology residency programs
- Radiologists
- Clinical subspecialties
  - Pediatric surgery, pediatric oncology, neonatology, etc.
  - Demand for a specialized pediatric imaging service
- Private radiology practices
BACKGROUND

2 DEMOGRAPHICS

19.4% 0 – 14 years 44.2%

DEPARTMENT OF RADIOLOGY, THE CHILDREN’S HOSPITAL OF PHILADELPHIA [CHOP]

United States - 2014

Ethiopia - 2014
**BACKGROUND**

2. **DEMOGRAPHICS**

- 60% of the population: <20 years
- 48% of patients in the main referral hospital of the country: children

**Consequences:**

*Pediatric patients*

1. Major patient population for diagnostic imaging.
2. Majority of radiologists confronted with pediatric imaging.
OBJECTIVES

International Pediatric Radiology Fellowship Outreach

Background

CHOP fellowship outreach
PARTNER

Department of Radiology
School of Medicine
College of Health Sciences
Addis Ababa University

- Tikur Anbessa Specialized Hospital [Black Lion Hospital]
- Largest and main referral hospital
- Teaching hospital with residency & fellowship programs
- 1st and oldest radiology residency program
**PROCESS**

1. CHOP rotating visiting professorships
   - 1-3 attending pediatric radiologists
   - Rotating
   - 1-2 weeks/year
   - Intensive pediatric radiology course and hands-on sessions

2. External partners’ visiting professorships
   - Minimum 1 week
   - National and international partners

**INTERNATIONAL PEDRAD FELLOWSHIP OUTREACH**

- External partners’ visiting professorships
  - Minimum 1 week
  - National and international partners

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“Education is the most powerful weapon which you can use to change the world.”
- Nelson Mandela

2013

6 weeks coverage
International PEDRAD Fellowship Outreach

FRAMEWORK

1. **What**
   - Focused training
   - Defined goals
   - Set timeframe
   - Curriculum
   - Accredited program
   - Recognized subspecialty

2. **How**
   - On-the-job training
   - Teaching the teachers
   - International faculty
   - Local fellowship
   - Final examination
   - Certification
Prepare a curriculum [42 pages]

Process accreditation

2-year program

Clinical and research

Establish a dedicated pediatric service

Select 2 faculty members

Initiate training process
TRAINING FORMATS

1. Focused pediatric practice
2. In-person hands-on
3. Distance learning
4. External observership
5. External mini-fellowship
FORMATS

- Log book
- Recorded lectures
- Cleveland pedrad modules
- Cases – DICOM format
- Images – email
- CME articles
- Journal club

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International PEDRAD Fellowship Outreach

Department of Radiology, The Children’s Hospital of Philadelphia (CHOP)
STRATEGIES

- PedRad focused
- Clinical research
- Target local issues
- Grant applications
- External mentorship
- External collaborators
- Requirement for promotion
Radiological Society of Ethiopia [RSE]

**ACTIVITIES**

- Continuing Medical Education [CME] in Pediatric Radiology
  - Strengthen the pediatric radiology fellowship program
  - Pediatric imaging a substantial part of radiological imaging
  - An annual national CME course with a focus on pediatric imaging
  - Close the pediatric technical know-how gap
  - 1-2 days course; attendance 80-140 radiologists, radiology residents, pediatricians and pediatric surgeons
  - Started in 2011; CHOP and external faculties

International PEDRAD Education Outreach
One possible form of international pediatric radiology education outreach

- Local accreditation
- Feasible curriculum & goals
- Institutional commitment
- International collaborations
- Self-sufficiency
USA
Children’s Hospital of Philadelphia
- Diego Jaramillo, MD, MPH
- Marc Keller, MD
- Soroosh Mahboubi, MD
- Janet Reid, MD
- Chris Tomlinson, MBA
Weill Cornell Medical College
- Pooja Renjen, MD

Ethiopia
Addis Ababa University
- Tequam Debebe, MD
- Yocabel Gorfu, MD
- Daniel Zewdneh, MD
Radiological Society of Ethiopia
- Amal Saleh, MD

WORLD FEDERATION OF PEDIATRIC IMAGING
Thank you for your attention!

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