Pediatric Training in West Africa: Creating a Path for Growth

BCH Global Pediatric Scholars:
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BCH Global Health Program:
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Disclosures

• The speakers do not have any financial relationships to disclose.
To receive credit for today’s BCH Teaching Certificate Session:

Text 3907 ➔ 617-648-7950
Objectives

- Learn from global colleagues about development of pediatrics training in a low income country
- Brainstorm educational innovations to expand training capacity in undergraduate medical education, residency training, fellowship training and for nurses
Welcome GPIS Scholars

• Dr. Sally Owusua Manu is a neonatologist working at Korle Bu Teaching Hospital, Accra, Ghana.

• Dr. Patience Camille Franklin is a native Liberian and a pediatrician working at the main teaching and referral hospital, the John F. Kennedy Memorial Medical Center, Monrovia, Liberia.

• Dr. Readon C. Ideh is an associate professor of pediatrics, a neonatologist, Chair of the Faculty of Pediatrics at John F Kennedy Memorial Medical Center and Head of Dept of Pediatrics at the College of Medicine, University of Liberia.
Global Pediatric Innovation Scholar Program

- Multidisciplinary, interprofessional teams from global partner institutions visit BCH for a one month observership targeted to specific priority areas, followed by a year of ongoing project support.

- Goals
  - To enable more equitable collaborations with global partners of BCH faculty and staff
  - To support partners in designing and implementing a project to improve pediatric clinical care or medical education in their home institutions
Principles

• Centering work on patients and families
• Supporting partner institution priorities
• Collaborating with multidisciplinary, interprofessional teams
Expected Outcomes

• Bidirectional sharing of clinical and education systems
• Networking with content experts for projects
• Collaborating among global partners from different countries
Challenges in Establishing Residency Training Programs in LMIC

L Ganapathi, Y Martins, D Schumann, C. Russ. Education for Health Dec 2014
Challenges for Sustaining Residency Training Programs in LMIC

<table>
<thead>
<tr>
<th>Challenges in Program Sustainability</th>
<th>Number of Programs</th>
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<tr>
<td>Research mentoring</td>
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<td>Language barriers</td>
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<td>Government support</td>
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<td>Resident retention within the program or as faculty</td>
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<td>Quality/Uniformity in resident applicant pool</td>
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<td>Protected time</td>
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<td>Opportunities for postgraduate subspecialty training</td>
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<td>Junior Faculty Teaching Training</td>
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<td>Funding</td>
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- Angkor Hospital for Children
- Orotta Children's Hospital
- Laos Faculty of Medical Sciences
- Moi University Children's Hospital

Boston Children's Hospital
Global Health Program
Themes and Subthemes of factors affecting international visiting faculty effectiveness in pediatric academic departments in East Africa

Liberia: a lot with a little
# Medical Training in Liberia

<table>
<thead>
<tr>
<th>Medical School</th>
<th>Internship</th>
<th>Residency</th>
<th>Fellowship</th>
<th>Faculty Development</th>
<th>Non-Physician Groups</th>
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• 4 year med school | • 1 year  
• Transitional year (4 core rotations)  
• 3 months of pediatrics | • 3 years  
• Specialist pediatrician  
• General & subspecialty pediatric requirements | • 2+ years  
• Fellow of the Liberian &/or West African College Physicians (WACP)  
• Requires substantial thesis | • A group of early career faculty  
• Will take on training at all levels | • Nurses, Midwives, PAs  
• To improve care these cadres need capacity building |

**Faculty Development**
- A group of early career faculty
- Will take on training at all levels

**Non-Physician Groups**
- Nurses, Midwives, PAs
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### Medical Training in Liberia

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- 4-6 Pre-clinical faculty on Loan
- 1 International Faculty, 1.5 Local Faculty
- No subspecialists
- No active senior faculty
- Faculty Busy
- Few Residents

**Bottlenecks**
5 year Pipeline: Training at Scale for the Nation

- 15 Residents
- General Practitioner
  - 0 External Faculty
  - Specialist Pediatrists
    - 0 External Faculty
    - Fellowship Training Pediatricians
      - Pediatric Patients
        - 16 Specialist Pediatricians
        - 8 Faculty Pediatricians
          - Establish Residency Training Site #2
        - Take 2 Liberian Faculty
          - 4 Fellow Candidates
Regional Collaboration

• Host international faculty
• Recruit and retain pediatric residents and fellows
• Continue to build research & education excellence at home
• Collaborate/Lead Regional Research
• Participate in Boston Global Pediatric Innovation Scholars
• Help develop funding opportunities for the collaboration

• Host Liberian Externs
• Provide Rotating Faculty to Liberia
• Continue to build research & education excellence at home
• Collaborate/Lead Regional Research
• Participate in Boston Global Pediatric Innovation Scholars
• Develop funding opportunities for the collaboration

Pediatrics in Liberia

Stronger Together

Boston Children’s Hospital

Korle-bu Teaching Hospital (Ghana)

Pediatrics Department
Help us with Creative Ideas to meet the education needs

Group 1: Medical Students

Group 2: Interns & Residents

Group 3: Fellows (Thesis!)

Group 4: Faculty Development

Group 5: Nursing, Midwifery, PA

Limitations:
- No internet in the hospital
- Limited computers among medical students
- Limited computer use by other cadres
- VERY busy patient care

Prompts:
1. Leverage those outside of Liberia – regionally & internationally
2. Peer teaching
3. Access existing resources
WE LOOK FORWARD TO WORKING WITH YOU!