Global Health and Underserved Population Program Overview

September 22, 2015
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Global Health: Objectives

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2. Historical Perspective
3. Vision
4. Mission Statement
5. Program Requirements
6. Curriculum
7. Medical Missions
What is it?

- Global Health and Underserved Populations Program
- **Certificate Program** with an emphasis on preparing resident physicians to serve in underserved communities, to practice medicine in an austere environment, and to do so safely.
- For now open to any resident (PGY II or greater) to earn a Certificate in Global Health and Underserved Populations
- Eventually plan to make it into a fellowship program
Global Health Program History

- Established 2006
- Resident Driven Program:
  - Dr. Jennifer Lehman and Dr. Laura Diefendorf
  - Dr. Greg Talente, first program director
  - Dr. John Meredith, current program director
Vision

“The Global Health Program exists to empower physicians and medical students via education directed at the myriad of cultural and medical differences that exist in our diverse world today—building upon their attributes of humility, inner strength, and compassion—thus making them citizens of the world.”
Mission

The Global Health Program implements this vision by providing the necessary building blocks to nurture and strengthen its participants through education in global health disparities, tropical medicine, cultural differences and beliefs, and international cooperation. Specific mission objectives are:

- **Foster an awareness** of the challenges in the practice of global health in underserved areas
- **Educate** in the areas of tropical medicine, global public health, and disaster medicine
- **Promote cultural awareness** of disparities in both healthcare and beliefs regarding medical management
- **Educate in foreign languages** (French and Spanish) with specific emphasis on medical care delivery
- **Provide opportunities to serve** either globally or locally a medically underserved population through medical mission participation
- **Work with local community organizations** to create outreach and foster relationships to better aid the underserved populations of Eastern NC
Program Requirements

- Program may be completed by VMC PGY II residents and above.
- A central prerequisite is completion of the internship year in good standing in an accredited program.
- PGY 1 are welcome to attend any of the lectures and training events.
Program Requirements, continued

- To earn the certificate, participants must attend >50% of the lectures (can be completed over a 2-year period).
- Participants should deliver at least one lecture themselves or as a group
  - May also deliver a ½ lecture: 2 participants each deliver a 20 min lecture.
- A special project should be completed at some point
  - Very wide range of options
Curriculum, Lecture Based

- 3-4 lectures per month. Time: 12:00-1:00 p.m.
- Location: ED Classroom, 3rd floor of the ED. Here.
- Day of the week: Tuesday.
- Lecture Focus: management of infectious diseases and acute conditions in low-resource, poorly equipped areas and facilities, always using WHO clinical guidelines.
Lecture Examples

Trauma/Toxicology
- Snake Bite
- Insect/Arthropod Envenomation
- Animal attacks
- Plant Toxicology

Medical Mission Planning and Going
- Getting there and back
- Medical Mission Nutritional Support
- Personal Safety Abroad on a Medical Mission, How the hell do I get out of this mess!

Medical Management
- Dehydration in an Infant or Child, Fluid Resuscitation
- Ultrasound Use in the Third World/Medical Mission Scenario
- Facture Stabilization, Splinting Lab, Simulation Lab
Tropical Medicine/Infectious Disease
- Update on Worldwide Viruses
  - Chagas Disease
  - Dengue Fever
  - Cholera
  - TB
  - Malaria
- HIV in developing nations
- Zoonotic Infection
- Tick Bourne Illnesses of the World
- Parasitology Workshop, Do you see what I see?
- Dermatological Infections of the Third World

Public Health
- Clean Water, how to get it and how to maintain it
- Sanitation in the Third World
- Water Bourne Illnesses in the Third World
- Diseases of Malnutrition in the Third World
Worldwide Healthcare
- CDC guidelines and recommendations
- Update on WHO worldwide initiatives
- DWB and other third-party groups
- What countries need help with what things

Underserved Medicine
- Underserved medicine in the US
- The impact of a doctor in an underserved area
- Opportunities in Eastern North Carolina

Nuts and Bolts
- How to set up a travel clinic
- How to start a clinic in another country
- Laboratory and radiology support overseas
- Practice models in other countries
- Ancillary staff at overseas clinics.
Global Health Grand Rounds

- A long-term goal
- On Mondays corresponding to when EM has their toxicology lectures
- No Tuesday lecture the weeks when Grand Rounds takes place
- Counts toward a resident’s total lecture number goal
- Usually a bigger topic or speaker
- Held in one of the big auditoriums (VMC or Brody)
Special Project: Some options

1. Away rotation at an approved site serving an underserved population, either in US or outside US. This may be mission based with an ECU BSOM faculty member or an approved adjunct faculty member.

2. Independent study with topic approved by program director that encompasses an aspect of service to an underserved population.

3. Poster presentation or journal publication on an aspect of Global Health and serving an underserved population

4. Special service project
Foreign Language Training

- Residents may participate in the Rosetta Stone Foreign Language Program
- Language lab in BSOM in conjunction with BSOM med students
Disaster Preparedness

- Resident will be able to participate in BDLS and ADLS
- Work at learning HAZMAT
- Communication skills classes, Gen Class Radio Operators License
- Working as part of the State Medical Assistant Team (SMAT)
Core Textbook

- Expedition Medicine, Bledsoe Editor
- Makes designing lectures really easy
- May be some copies for loan
- Ask Dr. Meredith
- Seriously, just read a chapter and you’re ready to present
Active Projects with Resident Participation

- Dr. Hannon, Dr. Rose - Nicaragua, Affiliation with BSOM
- Dr. Welsh - Bangladesh
- Dr. Irons - Zambia
- Dr. Siraj - Ethiopia
- Dr. Ledoux - Haiti
- Other projects developing
  - Baruun-Urt City, Mongolia
  - Central America
- Updates on the website (next slide)
Global Health website

Welcome to the Global Health and Underserved Populations Program

- [http://www.ecu.edu/cs-dhs/ghp/](http://www.ecu.edu/cs-dhs/ghp/)
- Finally updated!
- We’ll be uploading information here:
  - All lectures
  - Calendar of upcoming events, lectures, conference
  - International opportunities
I want to give lectures!

- To do a lecture: Just email or talk to us and we’ll tell you what dates are available
  - Alternately, you can email or talk to Mallory Ball
- To tell us about a speaker you know: also email us. Our contact info is on the website, but here it is too:
  - Jen Emberger: embergerj@ecu.edu
  - Itunu Owoyemi: owoyemii@ecu.edu
  - Sarah Ashley: seashley.uc@gmail.com
  - Mallory Ball: ballm@ecu.edu
I want to do stuff!

- Great! We need your ideas!
- To tell us about a great idea you had (service project, global health conference, etc.): again, just talk to us some way.
- To find out how to go overseas:
  - On the website ... soon
  - In the meantime talk to us and we can put you in touch with someone
  - Or if you have plans already we can help you get an elective lined up
Send us pictures!

(Zambia, 2011)
Zambia, 2010
Zambia, 2010
Zambia, 2010
Summary

- Global Health and Underserved Populations Program is a program in evolution
- Curriculum is evolving and changing, but based on solid core subjects and foreign language
- Great potential for cultivating residents to serve in underserved and under-represented communities, either local or abroad
Questions?