Panel Discussions

"Snapshot" 1

Discussant: Dr. Don Wasylenki
Toronto Addis Ababa Academic Collaboration in Emergency Medicine: TAAAC-EM

Dr. James Maskalyk
Dr. Assefu Woldetsadik
The Beginning

- Ethiopia has no trained emergency physicians or EM infrastructure for 91+ million people

- 2008: delegation from AAU visits U of T to request expanded educational collaboration in EM (based on TAAPP model)

- EM task force created. Includes representatives from AAU and U of T.

- First formal teaching trip and TAAAC-EM launch: October 2010
Activities

- 3-year, longitudinal curriculum
- 3x month-long teaching trips per year + senior resident elective
- ED Ultrasound
- Mentorship
- Evaluations/Examinations
- Research
- Telesimulation
Accomplishments

* Graduation of 1st cohort of EM physicians October 2013!

- 14 successful teaching trips, 46 delegates (inc. faculty, residents, research and program staff)

- 8 collaborative research projects ongoing

- Ethiopia Society of Emergency Practitioners (ESEP)

- Financial support continues to grow – hospital practice plans, research and institutional grants, individual donations
Challenges and Opportunities

- Graduate retention
- Exit strategy, transition, or expansion?
Questions?

Thank you!
TAAAC – Internal Medicine

Dr. Ahmed Reja
Dr. Abdulaziz A Sherif
Dr. Eugenia Piliotis
First Steps

- June 2008 – initial needs assessment
  - Conference in Addis Ababa – Higher Education in Ethiopia
  - Plan for collaboration for 1-3 training programs

- Fall 2008 – UofT DOM Approval of project

- 2009 – 2011
  - Multiple site visits by UofT leads from all three programs

- April 2012 – start of three specialty training programs
  - Gastroenterology - 4 fellows
  - Hematology – 3 fellows
  - Endocrinology – 2 fellows
Activities

- Formal Didactic Teaching
  - Weekly General Medicine Lectures
  - Weekly Specialty Fellow Lectures
  - Weekly Journal Clubs
  - Video link to UofT Rounds

- Bedside teaching
  - Clinics
  - Wards
  - Consults
Activities

- Procedural Teaching
  - Endoscopy / Colonoscopy
  - Ultrasound guided biopsy
  - Bone Marrow
  - Hematopathology
  - Diabetic Retinopathy

- Mentorship in Research Projects
Challenges

- Small UofT Divisions
  - 2 staff per trip / 4 week commitment

- Partnerships with other universities
  - Gastroenterology
    - Norwegian
  - Endocrine
    - Birmingham (UK)
    - Temple (USA)
Challenges

- Recruitment of Fellows
  - Prolonged training / Financial strains
  - Return of service contracts / great need in home hospital for urgent return of specialists
  - Concerns of being only subspecialist on return to home university
Opportunities

- Partnership with Pediatrics
- Peritoneal Dialysis program
- New subspecialty training programs
  - Nephrology
  - Cardiology
Successes

- 8 Fellows scheduled to graduate Spring 2014
- Multiple collaborative research projects blossoming
- Strong long lasting ties between our two Departments of Medicine
Questions?
Family Medicine Ethiopia

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Family Medicine

- Initial discussions 2008
- FM CME 2009
- Meeting with FMoH 2010
- Time-Motion Study for needs assessment 2011
- Curriculum approved January 2012
- 3 Canadian family physicians in Addis Ababa
- Inauguration February 2013
- Eight PGY1 residents (4 men, 4 women)
Activities

- Rotations in major disciplines
- Academic Half-Day
  - One afternoon weekly
  - Focus on faculty development
- Arada Health Centre
  - One afternoon weekly
  - Emphasis on principles of family medicine
Activities

- Specialized training
  - ALSO (Advanced Life Support in Obstetrics)
  - Cervical cancer screening and treatment
  - Surgical skills
  - Public health and research
  - Interpersonal Therapy training for mental health
Challenges and Opportunities

**Challenges**
- Need clear understanding of characteristics of family medicine and their potential value
- Need clear delineation of role of family doctor in Ethiopian health care system

**Opportunities**
- Expansion to other medical schools
- Strong FMoH commitment to expansion of primary care
- Dramatic expansion in number of doctors being graduated
- Transition to community-based curriculum
Questions
The Ethiopian Canadian Nursing Collaboration

Amy Bender RN PhD

Asrat Demissie MSN

Amsale Cherie PhD

Toronto Addis Ababa Academic Collaboration

Toronto Addis Ababa Psychiatry Project

UNIVERSITY OF TORONTO
A Very Brief History of the Partnership

- **2005-2007:**
  - Answered a request for help in psychiatric nursing education

- **2008-2009:**
  - Answered a request for support of the Masters program & inter-organizational nursing collaboration began

- **2010-2013:**
  - 3-year partnership agreement signed
Focus on Strengthening Nursing Research Capacity

**Emphasizing:** sustainability & cultivation of intercultural peer/mentor relationships amongst faculty, students, & clinical nurse leaders

**3-year objectives:**

1. To enhance scholarship in existing MSN curriculum through seminar-based learning and individual mentoring that focuses on research proposal development and final report writing.

2. To increase the quality/rigour of final research reports of two batches of MSN students evidenced in successful defense and graduation.

3. To address professional development needs of faculty members of MSN program through collegial peer support and the sharing of material resources.
Activities & Highlights

- Classroom Teaching & Seminars
- Individual Mentorship
- E-mentoring
- Networking
Students’ reported new knowledge and skills:

- Developing confidence in conducting and documenting systematic literature searches.
- Deepened understanding of qualitative methodologies, and enhanced appreciation of the complexity of mixed methods studies.
- Ability to articulate the rationale for using a theoretical framework in research.
- Preparation to apply to doctoral programs.
- New learning regarding teaching style and strategies.
Moving forward...

- Research focused phase ending and clinical focused phase beginning

- Evaluation of first phase – course evaluations, survey of graduates, documents/trip reports, correspondence

- Clinical focus in Critical Care – 3 teaching trips beginning Feb 2014
THANK YOU!

With grateful acknowledgements,
To funders...

To educators & collaborators...
The Toronto Addis Ababa Surgery Collaboration

Mark Bernstein, MD, MHSc, FRCSC
The Greg Wilkins-Barrick Chair in International Surgery
Professor, Department of Surgery, University of Toronto
Neurosurgeon, Toronto Western Hospital, University Health Network
Pediatric orthopedic curriculum has been submitted to Addis Ababa University

Provision of online training modules via Moodle and Surgery in Africa

Provision of access to University of Toronto library via Ptolemy

Several group trips and one 2 month individual teaching trip to Black Lion
There have been 5 trips to Addis to provide operative teaching including anesthesia, dental care, and nursing.

A new training program has been started in Addis with two trainees - both have applied to spend six months in Toronto in 2014 via the Prakash Scholarship. There is no funding support - enhancing the in-country training via funding is needed.
Neurosurgery
Goals for Neurosurgery

- To create collaboration
- To teach there (e.g. awake craniotomy, simple research, etc)
- To bring Ethiopian colleagues over here as observers and Fellows
- To institute an on-line curriculum
- To take useful equipment there
Current Activity

- 3 trips to BLH: November 2012; March 2013; November 2013

- Personnel: neurosurgeons, anesthetist, OR nurses, resident, medical student

- We have taught: a) awake craniotomy for tumour (surgery, anesthesia, nursing); b) qualitative research - 3 studies; c) on-line neurosurgery course
Observers and Fellows

- 3 Ethiopians (2 residents and the Chief of Neurosurgery) were observers at Toronto Western Hospital August 24 - September 7, 2013

- One of the 3 staff neurosurgeons at BLH will be a Clinical Fellow in Neurosurgery at TWH July 1, 2014 – June 30, 2015
The Future

- More visits there with more Toronto neurosurgeons and others going
- More observers and Fellows coming from Addis to Toronto
- More collaborative research projects
- Equipment transfer – e.g. surgical navigation system, cortical stimulator
Thanks to the Greg Wilkins - Barrick Chair