

Vanderbilt International Anesthesiology: Incorporating a Global Health Rotation

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Dr. Easdown has no financial conflicts to disclose.

Objectives

- The value and goals of an international anesthesiology rotation.
- How to develop an international rotation.
- Impact of an international rotation on the program and health care for the recipient site

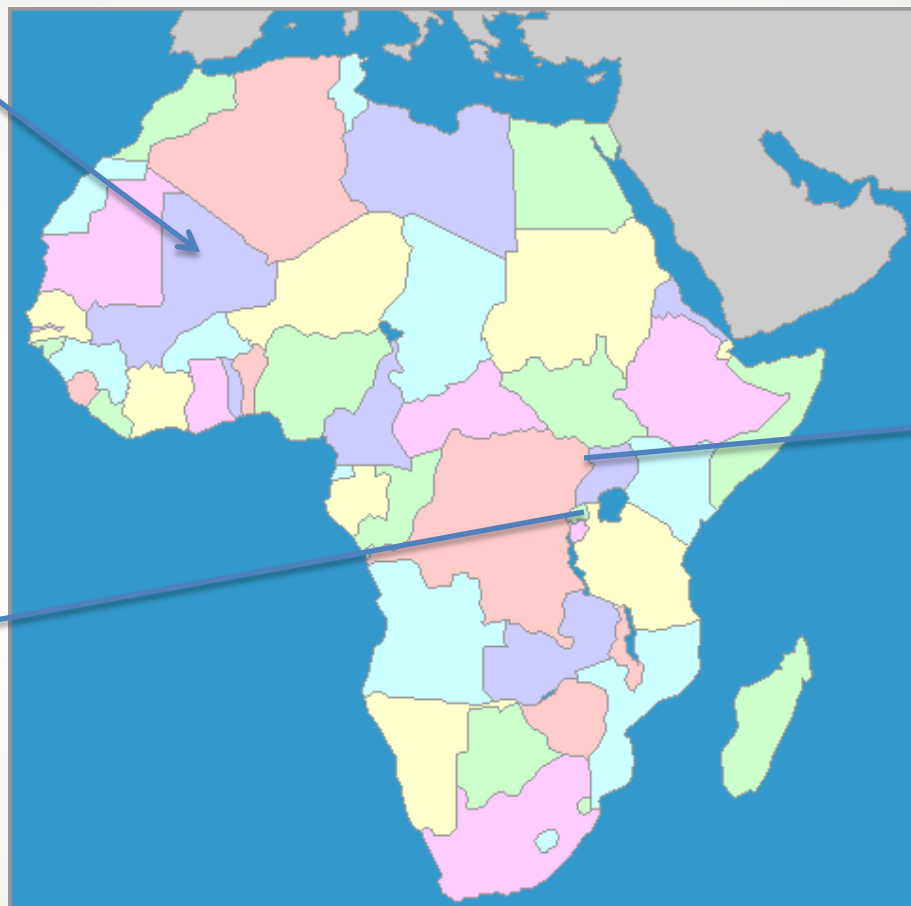
Anesthesiologists in the USA



Population 307 million
1/7,268

Global need for anesthesiologists

MALI
Pop 12.7 million
1/ 396,875



UGANDA
31.7 million
1/1.5 million

RWANDA
9.7 million
1/808,333

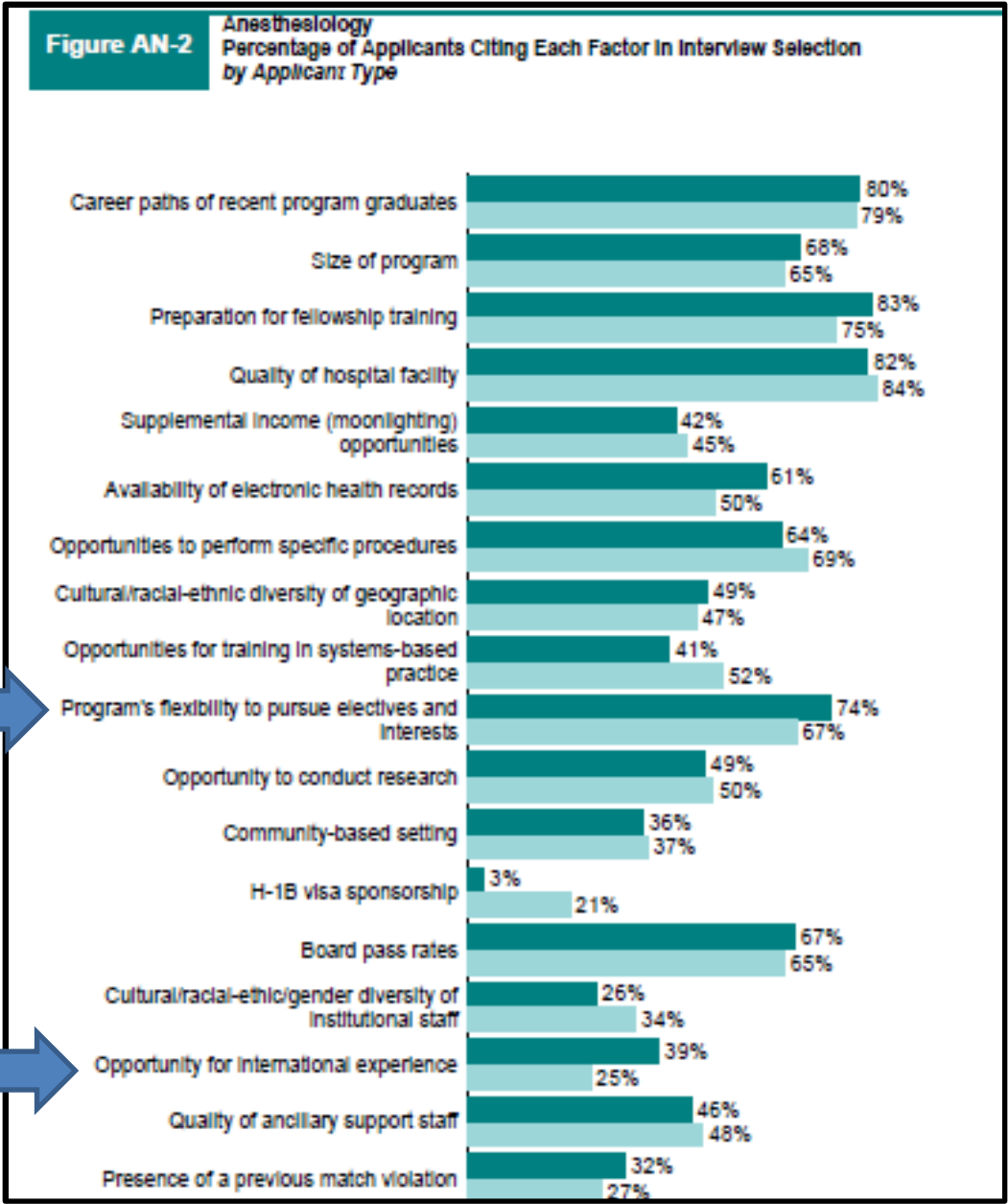
Resident Interest in Global Health

- 25% US medical students have international health experience
- 40% European students

(Banerjee, A: J R Soc Med 2010)



NRMP 2011 Candidates Survey: Anesthesiology Candidates



ASA Global Humanitarian Initiative

- Encouraging volunteerism
- **Supporting anesthesia education and training in low and middle income countries**
- **Advocating for long term academic partnership with hospitals and universities in countries of need**
- Providing for collaboration of organizations, institutions and initiatives with common missions and philosophies

VIA

- 2006 Created Non-profit charity
- Support through private donations and other sponsoring organizations
- Supports departmental international activities not only in Kenya but in Guatemala, Haiti, Nigeria, Viet Nam, and Tanzania.
- 2009 Created elective international rotation at Kijabe Hospital, Kenya.



Dr. Mark Newton

Clinical Associate Professor, Anesthesiology and
Pediatrics, Vanderbilt Univ. Med Center

Chief of Anesthesiology
Kijabe Hospital, Kenya



Timeline: VIA Kijabe Rotation

- 2006-09 Several residents granted approval from ABA for elective rotations
- 2009- Program submitted proposal for Educational Innovation to ACGME
- 2011- ACGME approved as elective rotation, Kijabe is affiliate institution.
Standard ACGME curriculum including
Faculty supervision, case logs, duty hours



Academic Year	VIA/International Rotation
2012	7 residents Kijabe
2011	5 residents Kijabe
2010	4 residents Kijabe 1 resident Tanzania (HVO)
2009	4 residents Kijabe 1 resident Tanzania (HVO)



Preparation for International Rotation

- VIA manual on Kenyan culture, population, common diseases
- GME manual
- Simulation
- Kenyan medical license
- Visa
- Personal medical insurance
- Local malpractice insurance
- Immunizations
- Travel arrangements
- Housing



Resident Health

International Travel Exam. (6 months out):

- Immunizations
- Prophylactic meds to take
- HIV- post exposure prophylaxis kit if needed
- Travel advisories, as well as local health conditions
- <http://wwwnc.cdc.gov.travel.destinations>
- Travel and Evacuation insurance
- Short term health insurance

Safety

- Cell phone, passport
- State department tips concerning crime, theft, personal safety
- US State Department (State Department Smart Traveler Enrollment Program-STEP)
- Register with GME office
- Local advisors concerning safety, politics
- Vanderbilt Institute for Global Health



LIFEPAK 1000

Handcare

BD
BD Disposables
CC
80

EXT 507

Open Hand Care

Value to the Program

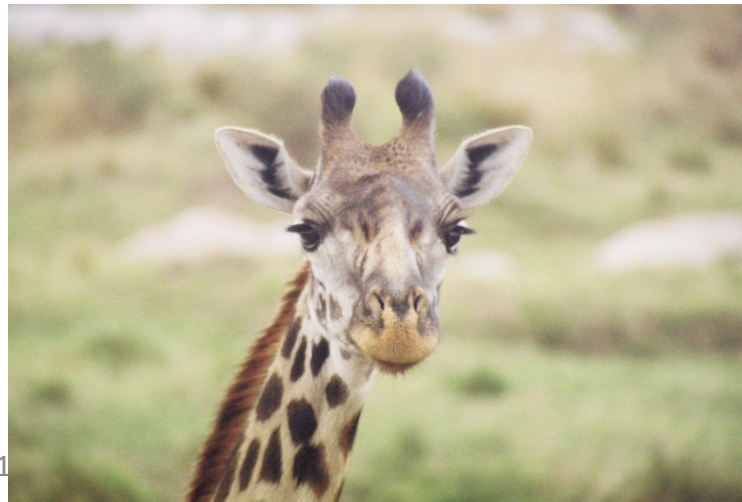
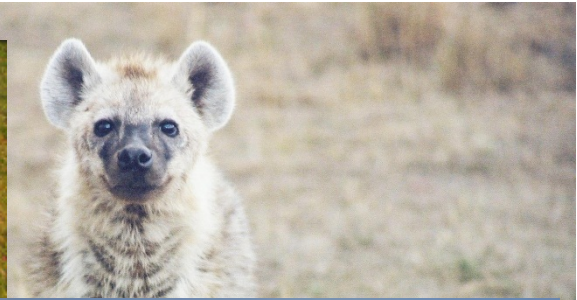
- Resident satisfaction to participate in international service, teaching and training
- Appreciation of cultural diversity
- Work in austere environments
- Professionalism



“ Everyday it was a thrill to go to work. It was refreshing to practice medicine well with a fraction of what we use in the US. Everyone has the same goal- to look after the patient. This experience has reaffirmed what I want to do with my life as a physician. I hope to be back. ”

– Justin Wright, 2012

- *“ I feel the most important contribution I made was in teaching. I absolutely made a difference in the training of one nurse in particular “ Jace Perkerson, 2012*
- *“I will never see cases like that again, even in my fellowship. The experience was maturing and also humbling. ” Alli Greening, 2012*



Value to the Local Site

- Service:
 - Supervise Kenyan anesthesia nurses
 - Manage the ICU
 - Carry donated supplies
- Teaching:
 - 4-5 lecture topics
 - External Board examiners



Encouragement to anesthesia
trainees



“The VIA program at Kijabe shows a direct relationship between the money donated for this cause and the increased quality and quantity of anesthesiology healthcare in East Africa”

Mark Newton ,2011

Returning Home

- Rotation report
- Rotation evaluation
- Survey
- Case reports
- Presentations
- **Debrief**



Future Plans for VIA

- Additional sites closer to US
- Full 12 month programs
- Ideal situation: Partnership with academic departments with the plan for bilateral exchange and long term development.

Summary

- An international rotation adds value to your residency program.
- The relationship with an international location will lead to improvements in healthcare through service and education by meeting their needs.
- Participating in outreach is a source of pride for all involved.