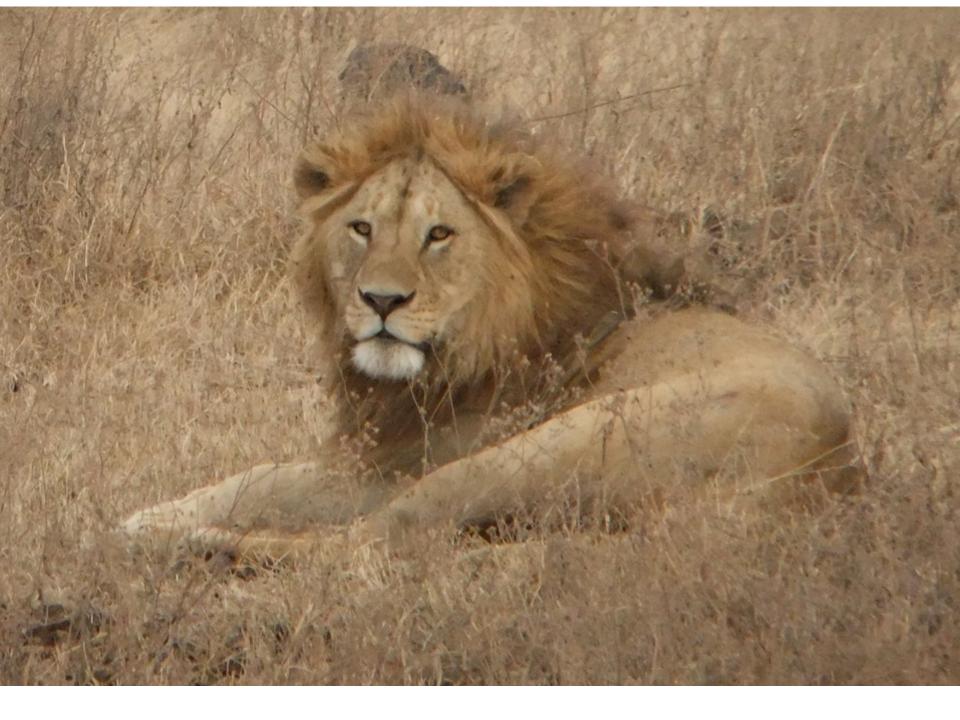
# BECOMING A SURGEON IN LOW RESOURCE REGION

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GENERAL SURGEON



#### **Tanzania**

- Population 46 mil
- Health budget 8.5%
- 14 \$ per person vs WHO 54 \$
- One national hospital, one cancer center, all in Dar Es Salaam
- Consulting hospitals 3
- Regional Referral hospitals 10



### Surgeons in Tanzania

- Surgeons 72 (2010)
- Distribution = 51 in Dar es Salaam
- How about the rural Tanzanian population?

SOURCE: MAT 2010



## The beginning for me...

- Datoga family-pastoralist
- Appointed to present Gastrointestinal system how it works in simple language....
- Standard 7- 1993
- On Graduation day on 1993



## Inspired

- The invited guests were impressed by the presentation and among them surgeon Dr. Olsen from Haydom Hospital...
- The beginning of thinking of becoming a doctor
- Statement "this that I can make a good doctor"
- Sponsored training in secondary school
- Hospital sponsored my training in medical school

## **Learning Surgery**

- Medical school 2001 (assist in many surgical procedures)
- Registrar at Haydom Hospital 3yrs
  - Culture of reading every procedure
  - Need to be able to work at every ward: (medicine, paediatrics, obstetrics & gyn, surgery, ICU)
- Learning from local doctors at Haydom and role of visiting specialists-neurosurgeons, general surgeons, urologists, reconstructive surgeons
- 2010-2014: Registrar surgery in KCMC, Kilimanjaro

## Training for surgery in Tanzania

- Limited admission per year 2-5 residents on average
- Private sponsor and few Government sponsorship
- Not paid unless employed by government and worked for > 3yrs
- Few consultants/supervisors
- Lack of learning tools (access to literature)
- Lack of materials and drugs
- Much work with minimal supervision and less time for teaching and private studying

## CONTEINER FOR CLEAN WATER

## Back as a surgeon at Haydom

- **General surgery** (appendectomies, colectomies, thyroidectomies, etc)
- **Neurosurgery** (VP shunts, meningocele, burr holes, craniotomies, etc)
- **Urology** (bouginage, TVP, etc)
- Reconstructive surgery
   (cleft lip, contracture release, etc.)
- Pediatric surgery and ENTS (hernia, omphalocele, foreign body removal, etc)
- Adminstrative activies
   (Assistant Managing Medical Director)







#### **Haydom Lutheran hospital**

- Level II Regional Referral hospital in Rural area
- Catchment area immediate 600000 and at large 2.2mil
- Bed capacity 420
- Number of surgeons from September 2014
  - 3 general surgeons, 1 orthopedic surgeon.
- Number on patients: 16000
- Number of outpatients: 80000
- Number of surgery: 4000

#### How to ensure the hospitals future?

- Donor dependent
- Annual budget =9bill Tsh (in dollars?)

- Donors = 52%
- Government = 20%
- Patients fee=20%
- Other sources =8%

#### **Capacity building**

- On job training by visiting doctors
- Workshops-Tanzania surgical associations
- Send doctors for specialization to teaching hospitals



 Exchange programmes with like minded institutions



## Challenges

- Shortage of qualified manpower
- Shortage of supplies and diagnostic facilities
- High staff turnover in private hospitals
- Demotivation
- Organizations issues

## Role of foreign doctors?

- Inspire
- Teach relevant knowledge and skills proportional to local resources
- Supportive supervision
- Transfer of locally maintainable and sustainable technology
- Enhance collaboration and exchange aiming at transfer of required knowledge, skills and technology

## Challenges with visiting doctors

- Cultural differences
- Too much demand in short time and irrespective of available limited resources
- Too short time
- Demand for quick changes
- Easily frustrated

## What is my role

- Inspire young doctors
- Teaching to be trainers for others
- Motivate despite of challenges
- Save lives and improved quality of lives outcomes be our motivation
- Advocate for public private partnership



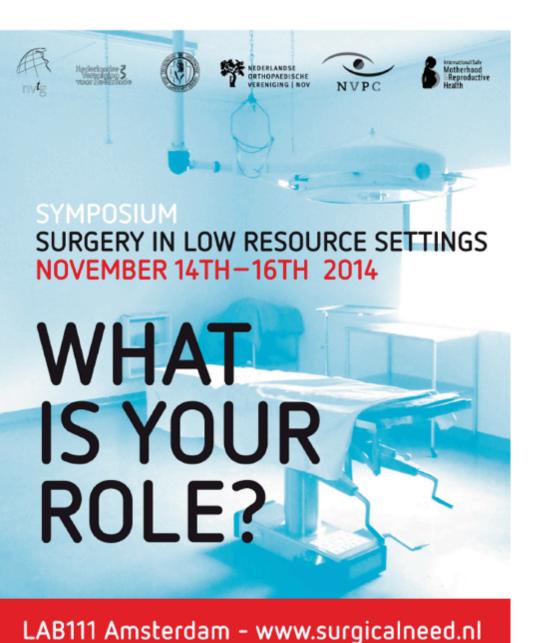


## Thank you

Welcome to Haydom-Tanzania
Karibu Haydom –Tanzania
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