

Plastic/Reconstructive surgery scenario in Africa

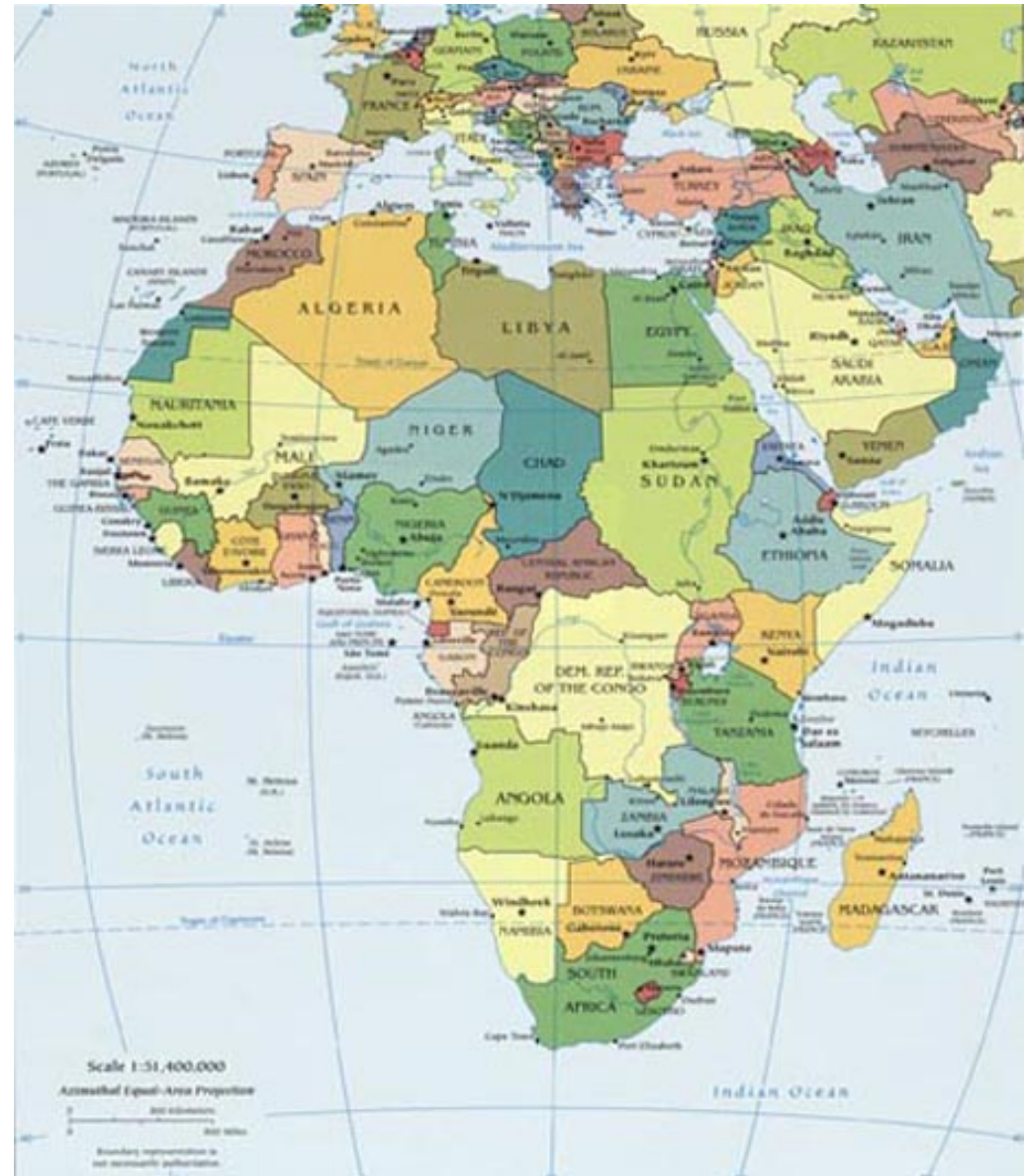


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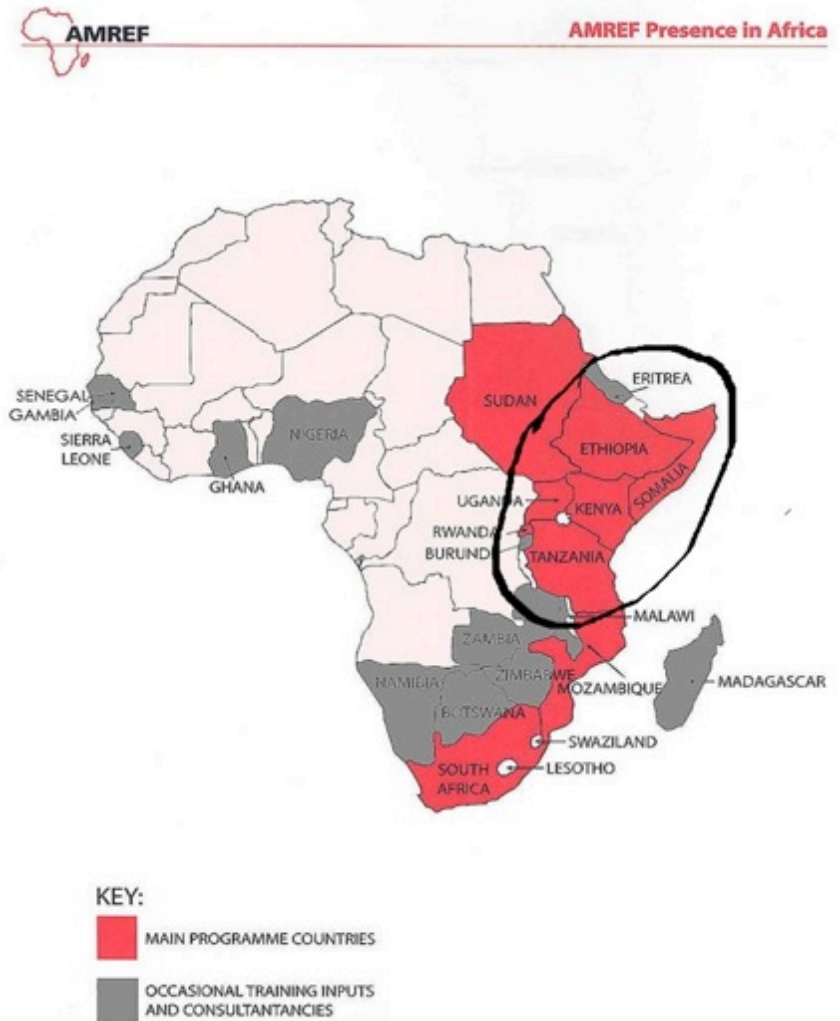
Symposium on Surgery in Low Resource Settings, Amsterdam 14th-16th of November 2014

- 2nd largest continent
- 2nd most-populous continent (over a billion people)
- 54 countries



Eastern Africa

- Population 200 Million
- 70 - 80 % Rural
- 50 % Income < 1\$ Per Day
- Primary Health Service Coverage 50%
- Life Expectancy < 50 Yrs
- Health Budget \$ 4 Per Person Per Year
- Only 30 Reconstructive Surgeons



Health Workforce, WHO 2011 Report

REGION	Physicians (per 100,000 population)
Africa	23
Europe	333

Birth by Caesarean section (WHO 2011)

REGION	Birth by Caesarean section
Africa	3.6%
Europe	15.2 %

**Estimated need for elective surgery:
1000 per 100,000 population per year**

Only 100 performed in Africa (10% of the need)

Reconstructive surgical services has been limited by a belief that this type of surgery is non-essential and too expensive to be sustainable



Reconstructive surgery remains among the least developed surgical specialties



One in five of the world's poorest people have disability
(world Bank)

*11% of the disability from disease in the world is due to
conditions that are treatable by surgical intervention*
(WHO Global burden of disease report)

Plastic/Reconstructive surgery Scenario in Sub Saharan Africa:

- **Huge gap between demand and supply**
Trained reconstructive surgeons are severely lacking, leaving mostly general surgeons and paediatric surgeons to provide these services.
- **Practised in a demanding environment**
- **The facilities for surgery are poor**
- **The disorders encountered seen at an advanced stage**
- **Some disorders encountered not seen in developed countries**

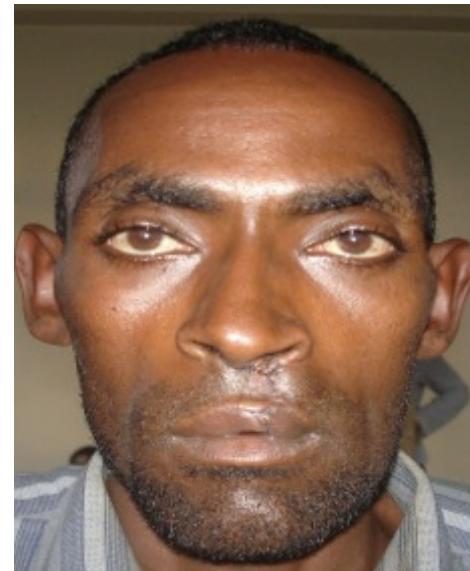
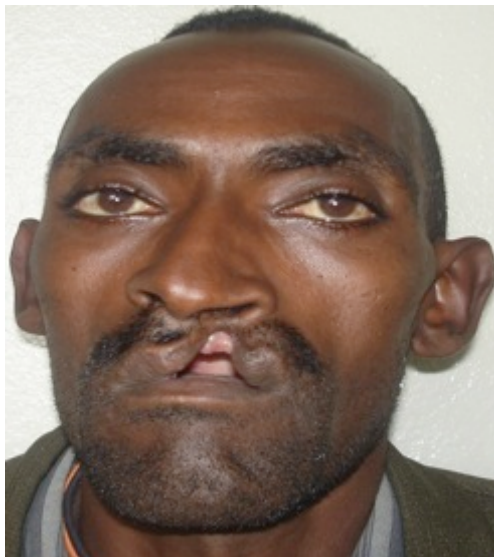
CONGENITAL ANOMALIES

Most children with correctable congenital anomalies do not get the chance for surgery

These conditions take a serious human and economic toll



Approximately 100,000 cleft lip and palate patients awaiting surgery



Injury

- Common
- Often mismanaged
- Major cause of disability



Burns are one of the most frequent causes of injury in Africa



The disorders encountered seen at an advanced stage or late



Some disorders encountered not seen commonly in developed countries



The facilities for surgery are poor



Practiced in a demanding environment



Anesthesia safety is a matter of concern



Trained reconstructive surgeons are severely lacking

- Difficulties in training personnel
- Challenges with distribution and retention
- Poor remuneration
- Lack of career progression
- Long working hours
- Migration- Internal/External



THE WAY FORWARD

- Training
- Evidence based information
- International collaboration
- More resources











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FOR INTERNATIONAL SURGERY



THANK YOU





    **NEDERLANDSE ORTHOPAEDISCHE VERENIGING | NOV**   **International Safe Motherhood & Reproductive Health**

SYMPOSIUM
SURGERY IN LOW RESOURCE SETTINGS
NOVEMBER 14TH–16TH 2014

WHAT IS YOUR ROLE?

LAB111 Amsterdam - www.surgicalneed.nl

