From Training to System Impact

PP 521

Building Emergency Medicine Capacity Through North–South and South–South Collaboration

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Background

Emergency Medicine is becoming increasingly important in Sub-Saharan Africa, providing time-critical care at the interface of prehospital and hospital medicine. Timely, structured emergency care is essential for improving outcomes, particularly during the “Golden Hour.”

The disease burden is changing rapidly. While infectious diseases remain relevant, non-communicable diseases such as cardiovascular disease, stroke, and diabetes are increasing. At the same time, trauma - especially from road traffic accidents - remains a major cause of death and disability. This creates more complex emergencies requiring rapid decisions and coordinated care.

In Tanzania, postgraduate Emergency Medicine training was long limited to one program in Dar es Salaam. To strengthen regional capacity, a second Master’s program was established at KCMC University in Moshi through a long-standing partnership with Marburg.

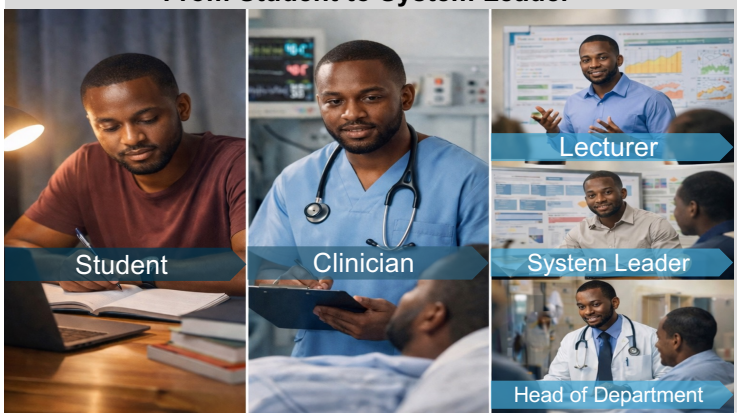
Funded by the DAAD, the program includes two phases: **Phase I** focused on development and implementation, while **Phase II** addresses consolidation, system integration, and regional expansion.

The aim extends beyond clinical training by developing future clinicians, educators, and leaders in emergency care.

Phase I – Implementation and Program Impact

During Phase I, the Master’s program in Emergency Medicine at **KCMC University** was successfully established, with **three cohorts enrolled**. Students from the first two cohorts completed exchange visits to **Philipps-University Marburg**, gaining experience in **clinical and prehospital emergency care**.

From Student to System Leader



A final evaluation showed substantial program impact. Most students felt **prepared for emergency department work** (77.8%) and reported improved clinical decision-making and emergency care skills.

Many also expect **rapid progression into leadership, teaching, and coordination roles after graduation.**

Interpretation: While graduates feel clinically prepared, leadership development and system-level competencies require further strengthening.

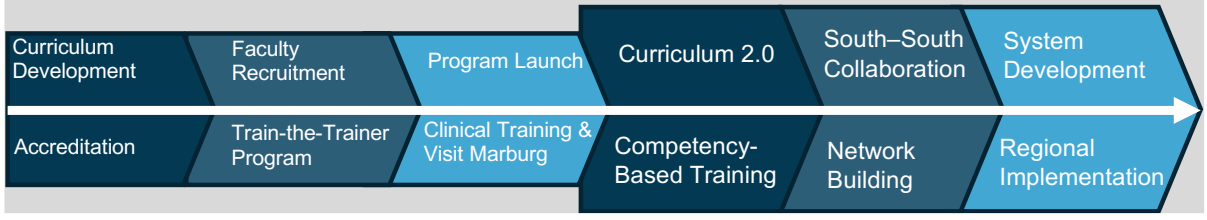
From Training to System Impact / From Local Implementation to Regional Scale

Phase I

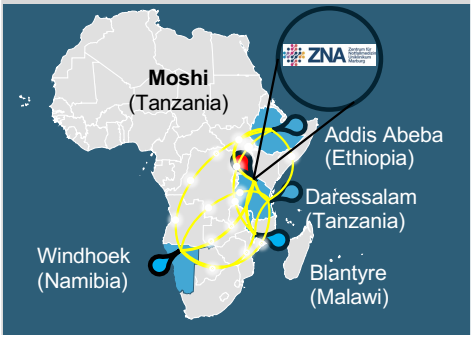
Introduction of a Master's course in emergency medicine at the KCMUCo in Moshi.

Phase II

Consolidating Emergency Medicine Education and System Integration in Tanzania and Across Sub-Saharan African Universities.



North–South–South Network



Partners and Funding / Further Informations

DAAD Deutscher Akademischer Austauschdienst
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