



EMMAK
Emergency Medicine
Makerere

Uganda Emergency Ultrasound Education

A Collaboration Between
Atlas Global Health
Rotary Club
Makerere University Emergency Medicine Residency

Campaign Goal: \$100,770 USD





■ About Us

Atlas Global Health strives to create long-term, sustainable connections between local healthcare champions and international aid donors to bridge gaps in healthcare inequality and expand emergency medicine education around the world.

To learn more visit us at: atlas-global.org.

Atlas Global Health was founded By Erik Akopian, MD and Ashkon Ansari, MD in 2023 and is a 501(c)(3) tax-exempt nonprofit corporation (EIN 93-3775889).



■ About the Project

In Uganda, where trauma rates are high and medical resources are limited, there is an urgent need for innovative solutions. The blossoming of emergency medicine as a growing specialty presents a timely opportunity to meet these challenges head-on. Integrating ultrasound into emergency care protocols holds the potential to improve patient triage and management, thereby improving patient centered outcomes. This strategic alignment of a developing medical discipline with advanced imaging modalities reflects a progressive approach to addressing Uganda's healthcare needs.

Our initiative entails partnering with the Emergency Medicine Residency program at Makerere University to facilitate the distribution of ultrasound equipment to all regional referral hospitals, provide comprehensive training to local physicians on its utilization for the diagnosis of time sensitive trauma-related injuries, and establish a cadre of local experts to mentor and guide future emergency medicine practitioners.



■ Our Strategy

We collaborate with community leaders to conduct a comprehensive needs assessment, identifying and fostering locally-driven solutions. Our approach includes partnering with international experts to develop and mentor local talent, cultivating a new generation of skilled professionals. These homegrown experts are then empowered to emerge as the vanguard of future leadership in their communities.



POCUS Bootcamp 2024





■ Current Situation

Globally, traumatic injuries account for 9% of deaths, exceeding HIV, TB, and malaria combined, with 90% occurring in Low and Middle Income Countries. In Uganda, fatal crashes have surged sevenfold in 25 years, costing approximately \$1.2 billion annually, equivalent to 5% of GDP. Nearly 85% of those affected are of working age, highlighting the substantial economic impact.

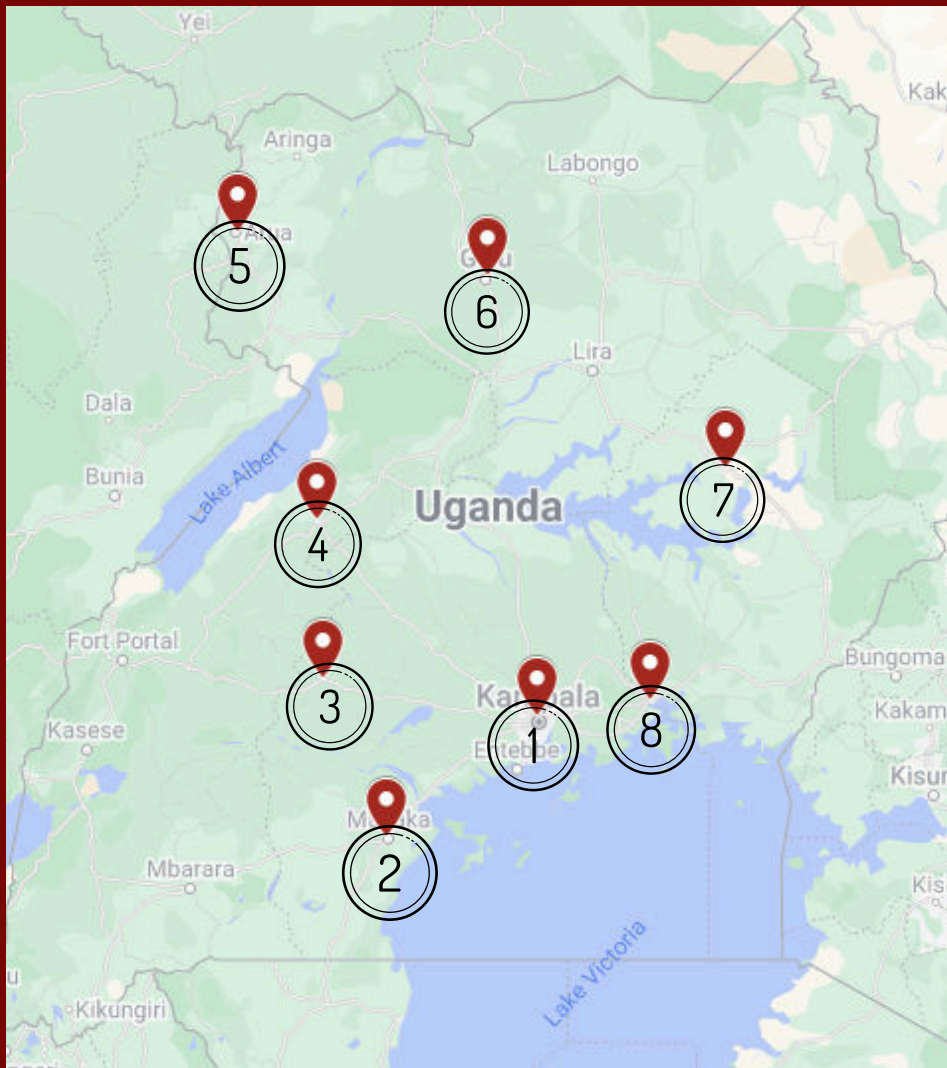
Patients seeking care in emergency departments across Uganda seldom encounter physicians specialized in emergency medicine, resulting in considerable variability in treatment quality. Moreover, the disparity in available resources among these physicians contributes to deviations from the standard of care, particularly for the most critically injured patients.





■ Our Vision

TRAINING SITES



1. Mulago National Referral Hospital
2. Masaka Regional Referral Hospital
3. Mubende Regional Referral Hospital
4. Hoima Regional Referral Hospital
5. Arua Regional Referral Hospital
6. Gulu Regional Referral Hospital
7. Soroti Regional Referral Hospital
8. Jinja Regional Referral Hospital

Our vision is to collaborate with Emergency Medicine medical officers from Mulago National Referral Hospital and extend our reach to regional referral hospitals across Uganda. During the comprehensive two-day course, we will empower local physicians with the skills needed to utilize bedside ultrasound effectively, particularly in trauma cases, with a specialized focus on the Extended Focused Assessment with Sonography in Trauma (eFAST) scan.

As we progress, we will identify and nurture local champions who will play a vital role in sustaining and facilitating future training efforts. Furthermore, we will equip each emergency department with donated ultrasound machines, enabling seamless access to recorded scans for quality assurance purposes. By fostering local expertise and implementing remote review mechanisms, we envision a sustainable solution that will continue to enhance patient care across Uganda's healthcare landscape.



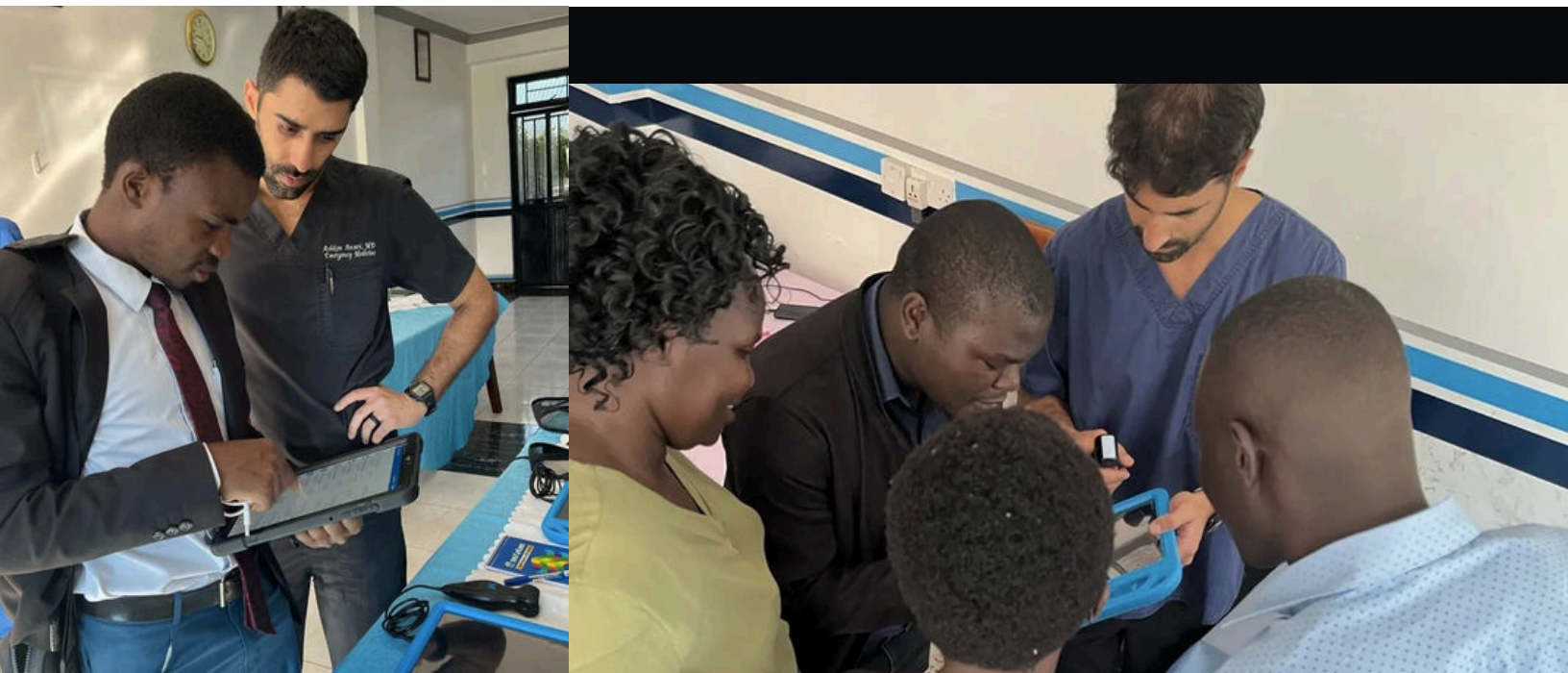
■ What We Need

Medical Equipment – Investment: \$35,2600 USD. This section includes the state-of-the-art Butterfly IQ Ultrasound devices, internet infrastructure, and associated equipment donated to each site. These devices feature a versatile probe known for durability and reliability. Moreover, they allow real-time, tele-consultation support for image interpretation and cloud storage, facilitating quality assurance reviews.

Course Costs – Investment: \$55,090 USD. This pertains to the budget allocation for expenses related to the travel and accommodation of our educators, as well as the operational costs associated with conducting courses at the seven designated sites across the country through the three phases of the project. Additionally, it includes arrangements for compensating our human models and meeting the nationally mandated patient compensation requirements.

Ancillary Costs – Investment: \$10,420 USD. This total represents the associated expenses covering shipping, customs fees, data collection and analysis, as well as the publication of our research findings.

Total: \$100,770 USD





The implementation of this educational initiative is pivotal for enhancing the skills of Uganda's physicians and promoting emergency medicine nationwide. Your generous contribution will significantly bolster the nation's readiness for disasters and emergencies, while also elevating the standard of medical care available to all citizens.

How to Donate

- 1) Online at atlas-global.org
- 2) By check, made out and mailed to:

Atlas Global Health
531 Esplanade Unit 206
Redondo Beach, CA 90277

All contributions are tax deductible (EIN 93-3775889)

Any questions can be directed to Atlas Global Health founders:
Erik Akopian or Ashkon Ansari:
Phone: (616) 560-4326
Email: atlasglobalhealth@gmail.com

We ensure that every donor receives regular updates on the project's advancement, complete with testimonials and photographic documentation of the progress. **We extend our deepest gratitude for your generosity and steadfast commitment to this cause.**

