



## CRITICAL CARE FELLOWSHIP

### Preamble

The Aga Khan University is a premier teaching and referral hospital offering tertiary care in an array of disciplines including surgery, medicine and clinical diagnostics. The university is committed to being a leader in the training and development of health care professionals in the East African region and has several residency and fellowship programs in place to facilitate this objective.

The philosophy of the AKU Critical Care Fellowship is a TWO (2) year program designed to cultivate and graduate highly skilled critical care physicians capable of delivering best-practice care to patients across East Africa and beyond. The program aims to equip fellows with competencies in clinical excellence, evidence-based practice, patient-centered care, interprofessional collaboration, leadership, and scholarly inquiry.

### Goal of the Program

The goal of the program is to train a master's level (residency graduated) doctor to provide evidence-based critical care services in line with international standards, to stimulate the fellow into scholarly pursuit, an interest to teach other healthcare colleagues and advocate for the wellbeing of patients.

### Program Learning Outcomes

At the end of the program, the fellow should be able to practice independently as an adult intensivist with expectations as below:

- Develop a mastery in the diagnosis of common and complex medical and surgical critical care conditions.
- Devise comprehensive management plans for common and complex critical care conditions and evaluate their effectiveness.
- Perform common and complex critical care procedures such as airway management, central venous cannulation, hemodialysis catheter placement, arterial cannulation, pleural drainage, invasive hemodynamic monitoring techniques, transvenous pacemakers, transesophageal echocardiography, focused-assessed transthoracic echocardiography, intra-aortic balloon pump settings and cardiopulmonary resuscitation.
- Apply ethical and legal standards to situations presenting themselves in critical care.
- Demonstrate professionalism and compassion in interactions with colleagues, patients, and families in a critical care setting.
- Conduct original research on critical care topics and present a manuscript for publication.
- Demonstrate leadership in the management of critically ill patients including effective management skills of critical care units



### **Mode of Delivery**

1. Clinical teaching; Bedside in the Intensive Care Units and High Dependency Units
2. Specialist stations i.e. radiology unit, operating theaters, endoscopy unit and echocardiography laboratory
3. Didactic learning sessions:
  - a. Once a week (full day) lecture session
  - b. 1(one) hour lecture topics to cover the entire curriculum Morbidity & Mortality – Weekly (1 hour)
  - c. Faculty Academic Rounds – Weekly (1 hour)
  - d. Journal club – Once a month
    - i. Fellows will present or moderate an article
    - ii. Fellows will be expected to critically evaluate articles and application of the same to their practice
  - e. Critical Care Tutorial Presentation – Quarterly
    - i. Fellows will be expected to moderate tutorials offered to senior house officers and residents rotating in critical care once every quarter
  - f. Simulation training in the University Simulation Lab – As needed
    - i. Fellows will be requested to upgrade their skills in the simulation lab as directed by the critical care simulation lead faculty or program director.
    - ii. Fellows will occasionally be responsible for teaching and evaluating residents and senior house officers' skills in the University Simulation Lab.
4. Morbidity and Mortality Meetings in Critical Care
  - a. Faculty and Fellows will moderate discussions interchangeably
  - b. Fellows will be expected to provide suggestions of best practice management on cases discussed

### **Remuneration and Benefits**

- This is a paid position that attracts commensurate pay for successful applicants.
- The compensation includes other benefits (medical, dental and malpractice) as enjoyed by staff in the hospital.
- Scrubs and a laptop computer are provided to each successful applicant
- The fellows are funded for at least one local conference and one month of a local (non-AKU rotation)
- International conferences and rotations will be available on a case-by-case basis

### **Tuition & Fees**

- All fellows will have their tuition and fees deducted from their monthly stipend.



## Application Process

- Interested fellows apply in writing to the Postgraduate Medical Education office with two letters of recommendation from supervising physicians.
- Applicants should meet the following requirements:
  - ✓ Completion of residency or MMed training in internal medicine, surgery, anesthesia or emergency medicine
  - ✓ Must be registered by the member of the Kenya Medical Practitioners and Dentists Council or eligible for registration if applicant is from outside the Country.
  - ✓ ACLS and EPALS/PALS certification is required.
  - ✓ A mid to high level competency in critical care procedural skills is desirable but not mandatory.
- Personal attributes:
  - ✓ Excellent communication skills
  - ✓ Respectful team player
  - ✓ Self-driven learner
  - ✓ Honest, compassionate and culturally competent
  - ✓ Punctual and respectful of deadlines
  - ✓ Able to maintain a good work-life balance

## How to Apply:

To formally submit your application, please send a statement of motivation, current Curriculum Vitae, and the names and contact information of at least two professional references to [mc.ea@aku.edu](mailto:mc.ea@aku.edu) no later than **November 8, 2024**.

Only shortlisted candidates will be contacted.