



## SHORT COURSE IN PRACTICAL ELECTROCARDIOGRAPHY (ECG)

### Introduction:

The East African Centre of Excellence in Cardiovascular Sciences (EACoECVS) in collaboration with Muhimbili National Hospital (MNH) – Mloganzila and Jakaya Kikwete Cardiac Institute (JKCI) is pleased to announce the Second *Short Course in Practical Electrocardiography (ECG)* be held from 7<sup>th</sup> – 11<sup>th</sup> September, 2026.

### Aims and Content:

The main purpose of this course is to equip physicians, nurses, cardiovascular technicians, and related specialties with knowledge and skills to perform, interpret and report an ECG.

The course will include the following major topics:

- Anatomy and physiology of the cardiac conduction system
- ECG leads placement and the cardiac axis
- Normal 12-lead ECG and systematic reporting
- Disorders of Cardiac Rhythm and Rate
- Conduction abnormalities in ECG
- Atrial and Ventricular abnormalities in ECG
- ECG in ischemia, including myocardial infarction
- ECG in the Intensive Care Unit (ICU)
- ECG in other conditions
- Hands-on ECG (practice at an ECG laboratory)

### Scope:

The duration of the course will be one **week comprising of 5 working days**. Trainees will be exposed to a series of interactive lectures in the morning hours followed by hands-on practice in the afternoons. Assessment will be done through group and individual assignments, concluding with individual end-of-course examination. All trainees will receive 2-weeks' active post training support on ECG interpretation and reporting. The maximum number of participants per intake is 40.



### Eligibility / Who should attend?

This course is suitable for health personnel that are working, or are planning to work in the area of general medicine and/or cardiology in their institutions, including but not limited to: Registrars (MD), General Physicians (MMED or equivalent), Nurses and Cardiovascular Technologists. The required minimum qualification is Bachelor (or equivalent) Degree in a health-related field from a recognized institution.

### Venue:

East African Centre of Excellence Multipurpose Building and MNH-Mloganzila (for classroom sessions), and SEMWI Skills Lab, JKCI/MNH-Mloganzila ECG laboratories for hands-on practice

### Documents to be submitted:

Dully-filled application form,

<https://forms.gle/NVSmmXqewRcFSJku8>

**Plus** your digital passport-size photo, curriculum vitae and copy of your highest qualification to be submitted to [pchillo2000@gmail.com](mailto:pchillo2000@gmail.com)

### Course fee:

Participants will have to pay a total of TZS 580,000/- each, covering tuition, meals, venue and other course materials (travel and accommodation expenses are not covered). The fee for non-Tanzanians is USD \$250. Payment will be done through MUHAS Accounts, details to be provided upon selection to the course.

### Award:

Successful trainees will be awarded certificates of completion from the Directorate of Continuing Education and Professional Development (DCEPD) of MUHAS, and 25 CPD credit points from the Medical Council of Tanganyika (MCT).

### Course leader:

Director of *Short Course in Practical Electrocardiography*:

Prof. Pilly Chillo (MD, MMED, PhD), Department of Internal Medicine - MUHAS. Email: [pilly.chillo@muhas.ac.tz](mailto:pilly.chillo@muhas.ac.tz); +255 713 779781

### Applications:

All questions regarding applications should be directed to the Course Administrators - Ms. Subira Nchimbi (0753216860) and/or Mr. Wilfred Sayi (0713333405), East African Centre of Excellence in Cardiovascular Sciences, P.O BOX 65001, MUHAS