



## SHORT COURSE IN BASIC ECHOCARDIOGRAPHY

### 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 tenth **Short Course in Basic Echocardiography** to be held from 2<sup>nd</sup> – 27<sup>th</sup> March, 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 on a basic echocardiogram examination.

The course will include the following major topics:

- Principles of echocardiography
- Acquisition of echocardiograms
- Normal echocardiogram
- Assessment of ventricular systolic function
- Assessment of ventricular diastolic function
- Echocardiogram in commonly-encountered cardiac conditions
- Detailed hands-on practical echocardiography (placement at an echocardiography laboratory)

### Scope:

The duration of the course will be **four weeks comprising of 20 working days**. Trainees will be exposed to a series of interactive lectures (2 weeks of online materials taken prior to 2<sup>nd</sup> March, and 1 week of onsite lectures) followed by 3 weeks of live demonstrations, real-case problem solving and hands-on practice at a busy echocardiogram laboratory. Assessment will be done through group and individual assignments, concluding with individual end-of-course examination. 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 (for classroom and demonstration sessions), and JKCI & MNH-Mloganzila echocardiogram laboratories for hands-on practice

### Documents to be submitted:

Dully-filled application form,

<https://docs.google.com/forms/d/e/1FAIpQLSfg3dMdF4UYRK9gzJmWXoyXDxgzOBYqHS792oYNr6VRLaPa2Q/vi ewform?usp=header>

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 TZS 960,000/- each, covering tuition, meals, venue and other course materials. The fee for non-Tanzanians is USD \$500. 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, with 25 Medical Council of Tanganyika (MCT) CPD credit points.

### Course leader:

Director of **Short Course in Basic Echocardiography**: 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), **Short Course in Basic Echocardiography**, East African Centre of Excellence in Cardiovascular Sciences, P.O BOX 65001, MUHAS