



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 eleventh *Short Course in Basic Echocardiography* to be held from 14th September to 9th October, 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 14th September, 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 & SEMWI echocardiogram laboratories for hands-on practice

Documents to be submitted:

Dully-filled application form, <https://clinical-research-tz-2022.org:8080/redcap/surveys/?s=XFRY4999W4TJ8EF8>

Plus your digital passport-size photo, curriculum vitae and copy of your highest qualification to be submitted to pchillo2000@gmail.com

Course fee:

Participants will have to pay TZS 1,500,000/- each, covering tuition, online training, meals, venue, (including use of SEMWI echocardiography skills laboratory) and other course materials. The fee for non-Tanzanians is USD \$700. 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; +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