

The Cardiac Care Technicians are trained to assist cardiologists in all invasive and non-invasive procedures (angiogram, angioplasty, pacemaker implant, stress echo, tilt table test, holter monitoring). They also monitor patients for any type of cardiac problems within a healthcare setting. Students will also be able to interpret basic ECGs and recognize cardiac dysrhythmias. Cardiac Care Technicians also prepare patients for open-heart surgeries and for implanting of pacemakers. Technologists monitor patients during these procedures.

Objectives

After completion of the course, participants will be able to:

- Perform all cardiac ultrasound procedures (2D Echo, Colour flow, Doppler, trans oesophageal).
- Perform treadmill stress(TMT) under the supervision of a Cardiologist.
- Perform and read Electrocardiography(ECG).
- Prepare reports and printed images after scanning patients and work with doctors to provide a better understanding of the underlying cause.
- Assist cardiologists in all invasive and non-invasive procedures(angiogram, angioplasty, pacemaker implant, stress echo, tilt table test, Holter monitoring).
- Differentiate and demonstrate knowledge of normal/ abnormal anatomy.
- Able to define pathologies of critical nature and inform appropriate medical authority.
- Maintains confidentiality and protects sensitive data at all times.



Course Description

- Human Anatomy and Physiology
- Clinical Pathology
- Medicine relevant to cardiac care technology
- Introduction to Cardiac Care Technology
- Electrocardiography – ECG
- Echocardiography – Dobutamine Stress Echo, Trans Oesophageal Echo and related non-invasive tests
- Introduction to Cath Lab Procedures – Angiogram, Angioplasty, Pacemaker Implant, Device Closure, Valvuloplasty and related procedures
- Patient Care - Pre and post cardiac procedures
- Principles of Hospital Clinical Practice
- Biomedical Waste Management
- Basic Life Support • Treadmill Test
- Quality Assurance and Practice

Highlights

- Theory+Simulation : 840 Hours
- Internship : 660 Hours
- Eligibility : 10+2 with Science or ECG Technician
- Duration : 1500 Hours/ 12 Months
- Certification : VIVO Healthcare