



Intermediate Active Medical Device Training

Introduction

The course is ideally suited to those with knowledge of basic medical electronics equipment but lacking experience with intermediate biomedical systems. Participants will gain confidence in working with intermediate biomedical equipment by carrying out structured, practical session on equipment covered during the course.

Aim

This course will build on basic knowledge and practical experience of active medical devices so that you can safely and competently undertake maintenance of intermediate medical devices.

Objectives

By the end of the course you should be able to:

- Determine the fundamental building block of medical electronics equipment and its related physiology.
- Demonstrate the principle of operation of medical electronic equipment.
- Assess main hazards associated with intermediate medical electronics equipment.
- Perform and analyze test to assess the electrical safety of intermediate medical electronics equipment.
- Perform and analyze test to assess the performance intermediate medical electronics equipment.
- Perform and inspect minor troubleshooting and repair.

Prerequisite

Electrical Safety Test

Competency on Biomedical Technical Personnel for Active Medical Devices (Basic)

Duration

Total course duration (20 days)

- Ventilator and general anaesthesia machine (4 days)
- Defibrillator and electrosurgical unit (4 days)
- Haemodialysis (3 days)
- Ultrasound and endoscopy (5 days)
- Infant incubator, diathermy machine, electrotherapy machine (4 days)

Intermediate Medical Electronics Equipment

Ventilator, general anaesthesia machine, defibrillator, electrosurgical unit, hemodialysis, ultrasound, endoscopy, infant incubator, diathermy machine, electrotherapy machine

EPI Academy Sdn. Bhd. (1254053-V)

📍 Suite 1.01 Bangunan Basic 8, Lorong 19/1A, 46300 Petaling Jaya, Selangor, Malaysia
☎ +603-7932 4255 📠 +603 7955 2791 ✉ info@epiacademy.my 🌐 www.epiacademy.my