

# CT Technical Training (5 days) CODE : CTTECHNIQUE5



## TRAINING CONTENT:

- Master the basic principles of CT.
- Know the different acquisition and reconstruction parameters.
- Know the acquisition modes.
- Know the operating principle of the different CT Scanner modules.
- Pre-installation and installation procedures.
- Pre-installation and Installation.
- Preventive and corrective maintenance.
- Quality Control



## Target Group:

- Biomedical Technologist.
- Biomedical Engineers.

## Training Support :

- Documents

## PREREQUISITE:

- General Knowledge in Electronics.

## DURATION :

- 5 days (15:00-20:00) : Virtual



## Detailed Training Program

### Day 1: 15h00 - 20h00

- CT Basics.
- Acquisition Modes.
- Acquisition & Reconstruction Parameters.
- Image Quality Criteria's.
- CT Components.

### Day 4: 15h00 - 20h00

- Pre-Installation.
- Test Equipment's.
- Electrical Box.
- Installation.
- Tune-Up
- Dicom.

### Day 2: 15h00 - 20h00

- CT Dose.
- Dose Reduction Techniques.
- Iterative Reconstruction Methods.
- Pre-Installation Procedure.
- Installation Procedure.

### Day 5: 15h00 - 20h00

- Manufacture Quality Control Procedure.
- Catphan Quality Control Procedure.
- Quality Control Procedure ACR.
- Preventive Maintenance.
- Service Maintenance.

### Day 3: 15h00 - 20h00

- Power Switches.
- High Voltage Generation Principle.
- Acquisition Principle.
- Laser Printer Principle.



## TRAINING FEES:

- 400,00 USD for Biomedical Students.
- 600,00 USD for Engineers.