CT Basics
(5 days)
CODE : CTBASIC5

TRAINING CONTENT:

• CT Basics.
• Acquisition and Reconstruction Parameters.
• Acquisition Modes.
• Dose Reduction Techniques.
• Noise Reduction Techniques.
• Angiography.
• Different options.
• Dual Energy.

TARGET GROUP:
• X-Ray Technologist.
• Biomedical Engineer.
• Student in Medical Imaging.
• Radiologist
• Resident in Radiology

Training Material :
• Documents

PREREQUISITE:
• General Knowledge in X-Ray.

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

Detailed Training Program

Day 1: 15h00 - 20h00
• CT Basic.
• Different Acquisition Modes.
• Acquisition & Reconstruction Parameters.
• Image Quality Criteria's.
• CT System Components.

Day 2: 15h00 - 20h00
• Dose in CT.
• Dose Reduction Techniques.
• CareDose 4D.
• Care KV.
• mAs Modulation.
• Filter.
• Iterative Reconstruction.
• SAFIRE, ADMIRE.
• Optimization of protocols.

Day 3: 15h00 - 20h00
• Basics of Angiography.
• Test Bolus & Bolus Tracking.
• Injection Parameters.
• Brain Angio.
• Abdomen Angio.
• Pulmonary Embolism Angio.
• Lower Limb Angio.

Day4: 15h00 - 20h00
• Principle & Evaluation Dental.
• Principle & Evaluation Colonoscopy.
• Principle & Evaluation Osteo.
• Principle & Evaluation Brain Perfusion.

Day 5: 15h00 - 20h00
• Principle of Dual Energy.
• Principle and evaluation DE Kidney Stones.
• Principle and evaluation DE Bone Removal.
• Principle and evaluation DE Pulmonary Embolism.
• Principle and evaluation DE Virtual Non Contrast.

TRAINING FEES:
•300,00 USD for medical imaging students.
•500,00 USD or residents and technicians in Radiology.
•600,00 USD for Engineers and Medical Radiologists.

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