



EUTEMPE-RX

High dose X-ray procedures in Interventional Radiology and Cardiology: establishment of robust protocols for patient and staff dose

2018, 25-29th June
UDINE - Italy

»» Day 1

2018, June 25th – Monday

- 09:15 – 10:00 REGISTRATION
- 10:00 – 10:30 Welcome and Introduction
- 10:30 – 11:00 COFFEE BREAK
- 11:00 – 11:45 Interventional Cardiology Procedures – An Overview
- 11:45 – 12:30 Interventional Radiology Procedures – An Overview
- 12:30 – 13:30 LUNCH BREAK
- 13:30 – 14:30 A review of Radiation Effects
- 14:30 – 16:30 Angiographic Equipment – State of the Art
- 16:30 – 17:30 Flat Detector Cone Beam CT

»» Day 2

2018, June 26th – Tuesday

- 08:30 – 10:00 New trends in system design
- 10:00 – 10:30 COFFEE BREAK
- 10:30 – 12:00 New trends in system design
- 12:00 – 13:00 Round table on system design
- 13:00 – 14:00 LUNCH BREAK
- 14:00 – 15:30 Radiation safety as part of the QA program: taking into account the new European Directive
- 15:30 – 16:00 Quality Control Protocol – general guideline
- 16:00 – 16:30 COFFEE BREAK
- 16:30 – 17:30 Quality Control of the Source and Dosimetry tests

Day 3

2018, June 27th – Wednesday

- 09:00 – 10:30 Equipment I – Review of image quality concepts: from physics principles to qualitative image quality criteria
- 10:30 – 11:00 COFFEE BREAK
- 11:00 – 12:30 Equipment II – Test objects (aim, components, use, limitations), tools to evaluate test object images, data processing using different tools and interpretation of results, design a task specific test object
- 12:30 – 13:00 LUNCH BREAK
- 13:00 – 16:30 Practical: Image Quality Evaluation
- 16:30 – 17:00 COFFEE BREAK
- 17:00 – 17:30 QC Protocol: the Italian Report

Day 4

2018, June 28th – Thursday

- 09:00 – 10:00 Skin dose calculation based on mathematical models using DICOM object information
- 10:00 – 11:30 COFFEE BREAK
- 11:30 – 13:30 Dose tracking systems for interventional procedures
- 13:30 – 14:30 LUNCH BREAK
- 14:30 – 15:30 Trigger levels and Follow up
- 15:30 – 16:00 COFFEE BREAK
- 16:00 – 17:00 Reference levels. What do they mean, why do we need and how to establish
- 17:00 – 18:00 Complexity factors

Day 5

2018, June 29th – Thursday

- 09:30 – 10:30 Staff dosimetry protocols
- 10:30 – 11:00 COFFEE BREAK
- 10:30 – 11:30 Status of Eye lens dosimetry and new limits
- 11:30 – 12:30 Role of active dosimeters
- 12:30 – 16:00 Free time for revision
- 16:00 – 18:00 Assessment