CS505EU-Varian Applied Physics: Linac Commissioning

Venue
Varian reference centers

Duration
4.5 days

Target audience
Medical Physicists who are responsible for the linear accelerators commissioning in their department.

Prerequisites
The attendees should have a profound knowledge of medical physics and a basic understanding of linear accelerator dosimetry.

Instructors
Experienced Medical Physicists of the hosting hospital who are experts in the linac commissioning process.

Aim
Based on practical approach, the course aims to give to attendees information on commissioning of a photon beam from a linear accelerator, in terms of beam dosimetry, measurements for dose calculation algorithm implementation and its configuration in the Eclipse treatment planning system. The participants will have multiple hands on sessions to practice the key elements of a linac commissioning phase.

Program
Linear accelerator commissioning:
• Principles
• Dosimetric systems and detectors
• Small fields and FFF beams
• Relative dosimetry: scanning and point data measurements
• Absolute dosimetry concepts based on IAEA 398 protocol
• Practical measurement sessions

Beam configuration in Eclipse:
• AAA and Acuros XB photon beam source model
• Practical sessions on beam configuration

Course Language
English

For further information please contact your local office.

EMEIA Course Information can be found on www.varian.com/emea-trainings