RapidArc workshop in Aarhus

November 4-5th 2011

Aim:

Improvement of theoretical and practical knowledge of RapidArc for optimization of RapidArc delivery.

Target audience:

Physicists and engineers from all radiotherapy centers in Denmark, and Danish Varian engineers. There will only be room for a limited number of participants in the practical workshop due to limited space in the accelerator vault.

Preliminary program:

Day 1:

Session 1: Technical session on RapidArc delivery

- Technical description of RapidArc delivery (Varian)

- Hardware and software adjustments of RapidArc delivery (Varian)

- Technical parameters for RapidArc delivery in Eclipse (Varian)

- RapidArc delivery for the TrueBeam accelerator (Varian)

Session 2: RapidArc QA

- QA of RapidArc

    o Recommendations for technical QA (Varian)

    o Typical deviations of technical QA, and how to correct for these deviations (Varian)

    o Recommendation for patient-specific QA (Varian)

    o EPID-based patient-specific QA of RapidArc (Varian)

- User presentations of RapicArc QA

Session 3: Plenum discussion and questions to Varian

Day 2:

Session 1: Practical session in the accelerator vault

- Adjustments for optimal RapidArc performance (Varian)
- Examples of technical and patient-specific QA, and how to correct for deviations (Varian)

The clinical applications of RapidArc are not a part of the workshop.