Radiotherapy Trials Quality Assurance

The role of the RTTQA group and when to engage
The RTTQA group

Funded through the NIHR to provide a national RT QA service for all NIHR CRN portfolio trials

An independent multidisciplinary network across a number of NHS sites with national and international collaborations

RT QA is a key initiative by UK national research and trial groups on grounds of safety, consistency and accuracy of treatment in clinical trials
Key QA process areas

- Imaging
  - Target volume & OAR
  - Outlining

- Treatment planning and optimisation

- Treatment delivery and verification

- Dosimetry audit
RT QA activity

Baseline
- Facility Questionnaire
- Beam Output Audit

Pre-Accrual
- Dummy Run
- Benchmark Case
- Outlining
- Planning
- Complex Treatment Dosimetry Check
- Virtual Phantom Procedure

During Accrual
- Individual Case Review
  - Prospective
  - Retrospective
- Review of Treatment Records
- Protocol Compliance & Dosimetry Site Visit

Advice and Support
Where does RT QA fit into the trial process?
Where does QA fit into the trial process?