

ATC Plan/Timetable for Year 10 (7/1/2008 – 6/30/2009)

ITC – ATC Year 10 Plans

1. Service
 - a. Continue to provide Digital Data Integrity QA (DDIQA) service to RTOG, NSABP, JCOG, EORTC, and other cooperative groups that request ITC services
 - b. Continue to support NCI/RTOG 0522/ACRIN Project
 - c. Continue to support QRRO Prostate Seed Implant Project
 - d. Continue to assist CDRP institutions to meet credentialing criteria for advanced technology protocols
 - e. Explore new service opportunities
2. Development (See timetable for QuASA²R)
 - a. Develop DDIQA / Archive loading tools
 - b. Populate TeraMedica Evercore database
 - c. Evaluate/acquire/implement in production mode diagnostic image review tool (e.g., MIMvista)
 - d. Implement remote access server for server-side review
 - e. Implement production mode Grid-enabled CERR
3. Coordination/Standards
 - a. Promote simplified, coordinated credentialing process across QA Centers and cooperative groups serviced by ATC
 - b. Promote uniform structure naming in advanced technology protocols
 - c. Support RTOG Consensus Image Segmentation Atlases
 - d. Continue efforts in support of RT Data Exchange Standards (DICOM Working Group – 7; IHE-RO; and Direct Support for TP Vendor Data Export Efforts)
 - e. Continue to participate in caBIG In Vivo Imaging Workspace (Clinical Trial Tool Integration (CTTI Requirements))
 - f. Continue to monitor related informatics efforts: (1) MAX – QARC; (2) TRIAD – ACR; (3) VIEW – QARC, ACR; (4) OPEN – CTSU; (5) CDMS – caBIG; (6) Docu-MART – CTEP, CALGB, ECOG, SWOG
 - g. Update/maintain ATC website

RTOG – ATC Year 10 Plans

1. Service
 - a. Continue service work with ITC in QA process for RTOG protocols utilizing advanced technologies, in particular providing protocol compliance QA (PCQA) review
2. Coordination/Standards
 - a. IGRT Protocols: Promote QA Center uniformity relative to (a) Facility Questionnaire and (b) Guidelines for Use
 - b. Initiate Adaptive Radiation Therapy (ART) Protocols: Develop/present to ATC protocol templates promoting QA Center uniformity:
 - Facility Questionnaire for ART

- Guidelines for ART
- Define ART Techniques and Tools
- c. New Technologies –Intensity Modulated Arc Therapy (IMAT)
 - Develop consensus guidelines relative to credentialing
- d. New Technologies – Particle Beams
 - Develop Guidelines for Launching Protocols

QARC – ATC Year 10 Plans

1. Credentialing
 - a. Web-based facility information form that is common for all the QA groups to include key personnel and contact information that the sites themselves could keep updated
 - b. Development of IGRT guidelines, forms, and credentialing that will be accepted by all groups and QA centers for participation in protocols requiring, or allowing, IGRT
 - c. Continue collaboration with RPC on proton credentialing
2. Digital Data/Remote Review
 - a. Anticipate increased volume of digital data
 - b. Validation of CERR
 - c. Develop/implement web-based review
3. Other Initiatives pertinent to ATC
 - a. VIEW
 - VIEW Overview
 - Meeting in Chicago, June 2008
 - IT, Quality and Standards Sub-committees met to establish committee membership and objectives
 - First VIEW protocol, NCCTG N0723 –Marvel Trial opening October 1st. A Phase III Second-Line Therapy in Patients With Advanced Non-Small Cell Lung Cancer (NSCLC) Randomized to Pemetrexed Versus Erlotinib
 - QARC will track and acquire baseline and follow-up imaging; ACRIN will perform QA.
 - Duplicate archive established at QARC and ACRIN
 - VIEW Aims
 - Develop a standardized approach to credentialing facilities that perform imaging exams according to the VIEW standards.
 - Assist clinical trial organizations in the development of an imaging charter that is acceptable to the trial sponsors and FDA.
 - Advance the science of imaging biomarker development: explore alternative imaging analysis, alternative imaging approaches, and establish databases that can be mined for testing new approaches.
 - b. caBIG
 - Participate in caBIG In Vivo Imaging Workspace (Clinical Trial Tool Integration (CTTI Requirements)

RPC – ATC Year 10 Plans

1. Service

- a. Continue QA process service work in collaboration with ATC subcontractors for all study group protocols utilizing advanced technologies, in particular providing credentialing services and treatment record review
2. New Developments
 - a. IGRT Protocols: continue to promote uniformity among QA Centers with regard to facility questionnaires
 - b. Take lead role in developing a web-based facility questionnaire that can be updated by individual institutions for new protocols
 - c. Prepare credentialing and auditing procedures for Adaptive Radiation Therapy (ART):
 - Facility Questionnaire for ART
 - Remote and on-site audit procedures
 - Credentialing procedures for ART
 - d. Develop and implement credentialing tools for Intensity Modulated Arc Therapy (IMAT)
 - Participate in the development of consensus guidelines relative to credentialing
 - e. New Technologies – Particle Beams
 - Develop remote and on-site auditing procedures
 - Develop and implement credentialing procedures