

IHE-RO Update: Technical and Overall Scope

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ATC • **Advanced Technology Consortium**

Providing support in quality assurance and data management for radiation therapy clinical trials

IHE-RO Update: Technical and Overall Scope

Recent Technical Committee Meetings

- IHE-RO TC Meeting, Aug. 22-26, 2005 at IMPAC, Mountain View, CA
- IHE-RO TC Teleconference Sept. 21, 2005
- IHE-RO Joint PC/TC Meeting, Oct. 19, 2005, at ASTRO, Denver, CO

IHE-RO Update (2)

- Technical Committee is currently working to complete the Technical Framework document for a first “Use Case” involving “normal flow” of clinical data from CT scan through dose display for 3D conformal, external beam RT.
- Goal for 2006 is to reduce ambiguity and improve basic interoperability in the use of DICOM RT objects.
- Not included in the first year (2006) Use Case are
 - HIS/RIS connectivity
 - Workflow management
 - IMRT
 - Brachytherapy

IHE-RO Update (3)

- Timeline
 - Technical Framework complete – Dec 2005
 - First drafts of “Transactions” due Oct 2005 (ASTRO)
 - Framework documents currently being formatted for review by entire TC.
 - Public comment period – Jan-Feb 2006
 - Connectathon – Aug 2006
 - Prove systems can interoperate with 3+ others
 - Successful systems may participate in public demo
 - Public Demonstration (ASTRO) – Nov 2006
 - Educational area
 - Workstations to demonstrate interoperability

IHE-RO Update (4)

- Testing Software
 - IHE has contracted with MIR (S. Moore) – Mesa Tools
 - ITC, RCET, UMich may bid on IHE-RO test tools
- Proposed for 2007
 - Multi-modality imaging/fusion
 - Workflow/scheduling