

IHE-RO Planning Committee

Monday, August 30th, 2010

3:00-4:00 p.m. ET

Conference call

Attendees:

May Wahab	Jatinder Palta	Richard Popple	Martin Pellinat
Bruce Curan	Sha Chang	Adam Earwicker	Rishabh Kapoor
Nick Linton	Kevin Riddell	Andy Fuller	Jarrood Finlay
Ramesh Rengan	Colin Field	Charles Able	Prabhakar Tripuraneni
Jacob Philip	Todd Mcnutt	Freida Swerdloff	

ASTRO Staff:

Sidrah Abdul

Barbara Muth

I. Administrative Items

- The minutes from the conference call on June 21, 2010 were approved.

II. Use Case Champion Presentations (slides on Wiki) *[Notes contributed by Bruce Curran]*

1. RT Object Q/R Keys (Rishabh Kapoor)

- Developing a consistent set of keys for RT object retrieval
- Development of a consistent set of keys would encourage implementation from PACS vendors
- Benefits would include easier retrieval of the desired objects for a specific patient
 - Improve data mining for research
 - Would allow easier access to multiple archives

2. Anonymization (Charles Able)

- Standardized patient data required for clinical trials QA in DICOM format
- Need to be able to transfer data to vendors for trouble-shooting interoperability issues
- Improve ability to share planning information for complex treatment techniques between TPS's
- Desirable to have pseudonymization standards for RT data
- Secure, encrypted e-transfer of data using standard venues (SFTP, etc)
- Standard list of appropriate DICOM tags to be anonymized
- Standardized export lists that can be defined per protocol

3. Integrating RO Workflow with HIS (Rishabh Kapoor)

- Currently poor integration of ROIS with HIS systems

- ADT
 - Billing
 - Scheduling and Treatment Summary
 - Want to prevent multiple input sessions of same data
 - Rare to have Real-time update of information
 - Poor mechanisms for error-checking and correction between systems
 - Need to develop standardized HL7 interfaces for these exchanges
 - Protocols for updates / changes (who owns the correct data?)
 - Billing; ability to collate info from HIS archive and treatment code capture into billing stream
 - Ability to correlate treatment scheduling and appropriate cross-histories
 - Should Treatment Records be sent to HIS and integrated into “current status” RO record
4. Radiation Oncology Patient Portal (Martin Pellinat)
- Traditionally, no access for patients to RO schedules, summaries, etc
 - Useful to include patient in review of their data, point out discrepancies, improve QoL
 - Need to have the following:
 - Secure Patient Login
 - PRO Completion (Surveys, QoL data, ...)
 - Reminders & Messaging
 - Registration / Health History
 - Need effective Patient & Staff Interfaces
 - Could satisfy several of the MU requirements
 - Need appropriate security servers / forwarders for public network transmission
 - Management of user authentication
5. Deformable Registration (PT / Colin Field)
- Additional effort beyond previous profile to add deformable registration
 - CT to CT / MR / CBCT / MVCT
6. Patient Safety (Kevin Riddell / May Wahab)
- Generalized patient safety using IMRT as a use case
 - EMR should have a plan completeness check
 - Check of machine characterization for appropriate deliverability
 - Ability to hide plans from delivery if not appropriately complete
 - Flags for couch motion
 - Ability to confirm consistency of treatment plan across duration of treatment
 - Perhaps this could be a source of multiple use cases!

A poll will be circulated for voting members to rank the top 3 use cases. Voting will take place September 7-15, 2010. The top use cases will then be detailed by the champions by September 21 and presented at the planning committee meeting at ASTRO headquarters September 24.

III. Reports & Updates

- a. Subcommittee for Promotional Activity
 - Article for ASTROnews/ACR/AAPM
Charles Able submitted an article for the ASTROnews. This will be published September 23rd. The article for the ACR Bulletin will be published March 2011.
 - Research Article
Two abstracts will be presented at ASTRO’s Annual Meeting this year.

- Generic IHE-RO information for vendor’s website
Charles Able is working on common language for RFP’s, hopes to present this at the Planning Committee meeting in September at ASTRO headquarters.

IV. New Business

- a. Dr. Palta suggested a Connectathon for research systems and educational purposes. This will be discussed further at the next IHE-RO Planning Committee meeting.

V. Future Meetings

- Sunday, September 12, 2010 9:00-17:00 ESTRO: Patient Safety in Radiation Oncology. Please follow this link to find out more information about this meeting:
<http://www.estro-events.org/Pages/estro29patientsafety.aspx>
- Monday, October 4, 2010 at 3:30-4:30pm ET
- Monday, December 20, 2010 at 3:30-4:30pm ET

Face-to-face Meetings:

- 2010 Connectathon – Sept 20-26, 2010
 - Mon 9/20 judge, setup day
 - Friday 9/24 (8AM-5PM) PC Meeting at ASTRO Headquarters
 - Sat 9/25 (8AM-10AM) PC Meeting at ASTRO Headquarters
 - Sat 9/25 TC meeting (all day)
 - Sun 9/26 (9am–12pm) TC meeting at Residence Inn
- ASTRO 2010 Oct 31 – Nov 4, 2010 in San Diego, CA

VI. Action Items:

Task to be done	Who will do it	When it will be completed
Construct doodle poll for members to rank the top 3 use cases	Sidrah Abdul	September 3rd
Members of PC rank the 6 use cases	PC Members	September 15
Use Case Champions to create detailed profiles for top 3 selected cases	Use Case Champions	September 21