

CTSA Imaging Working Group Bi-monthly Update WebEx

Monday, April 19, 2010
10:00am-11:00am CDT

Call Summary

In attendance:

Daniel Sullivan, MD (moderator)
John Boone, PhD
Andrew Buckler, MS
Jeffrey Carr, MD
David A. Clunie, MBBS
Patricia E. Cole, PhD, MD
Gerald Dodd III, MD
Gary Dorfman, MD
Bradley Erickson, MD, PhD
Kavita Garg, MD
Yaorong Ge, PhD
Mel Greberman
Vikas Gulani, MD, PhD
Gordon Harris, PhD
DeJane Hussey
C. Carl Jaffe, MD
Michael Knopp, MD, PhD
Frank Korosec, PhD
John Kotyk, PhD
David Miller, PhD

P. David Mozley, MD
Reginald Munden, MD, DMD
J. Anthony Parker, MD, PhD
Fred Prior, PhD
David Raunig
Anthony P. Reeves, PhD
Daniel Rubin, MD
Ann Scherzinger, PhD
Douglas Sheeley, ScD
Rohit Sood, MD, PhD
Machael Vannier, MD
Linda Velasquez, MS, CCRC
Thomas Yankeelov, PhD
Jeffrey Yap, PhD

RSNA

Linda Bresolin, PhD, MBA, CAE
Fiona Miller
Susan Anderson, MLS
Joe Koudelik

Sub-group updates

- **Clinical Trials/UPICT (Dr Dorfman)**

- A PET working group is meeting weekly to complete extractions of several PET protocols into UPICT template in advance of June SNM harmonization meeting. Working group is also completing an initial draft of consensus document in UPICT template covering areas of commonality; to be posted to the UPICT wiki for reference
- Template on UPICT Wiki in mature version; all welcome to use
- Work on vCT protocol in UPICT template also in queue
- Consider a publication (news article or editorial) about UPICT template
- A short article describing the UPICT effort is being reviewed for submission to the NCRR newsletter

- **Imaging Informatics (Dr Erickson)**
 - Subgroup continuing work on three white papers which address imaging informatics workflow aspects, analysis requirements, and security/privacy and authorization issues. Drafts are posted on dropbox.com.
 - RSNA Image Sharing Project update: A project manager has been hired. Some restructuring, resolution of contract issues and contract re-drafting is being completed. Weekly technical meetings are held in present design phase. Chris Carr, RSNA, can answer questions about review of architecture which is in development.

Update from NCRR (Dr Sheeley)

- April 2010 ACRT/SCTS meeting in Washington, DC was valuable
 - Encourage CTSA IWG to pursue space on formal agenda in future years
- Dr Sullivan is on agenda for Strategic Goals Ctte 5 for April 30, 2010
- Case stories/vignettes from sites demonstrating imaging core value and clinical applications and demonstrate specific benefits of imaging to CTSA's such as better research, faster clinical trials, etc. requested for use in NCRR publications and testimony
 - Examples from single institutions also useful
 - Include name of primary contact and submit vignettes to Susan Anderson, sanderson@rsna.org
- There is interest from CTSA IWG in engaging NCRR program staff and PIs about imaging cores, e.g. providing speaker for NCRR staff meeting
- Acknowledge competitive interests among many site cores, e.g. genomics, imaging
- Dr Sheeley has been informed that awards will be smaller in coming cycle

Proposed agenda for session at ACRIN fall meeting (Dr Sullivan)

- Discussion of draft agenda and ways to involve PIS
 - Suggestion to use BioMedical Technology (BMT) Research Ctr PIs and researchers to speak to value of imaging
 - Message is that CTSA can help with acquisition of data and standardizing at site and throughout network
 - In section on "Imaging in Drug Trials", incorporate regulatory aspects, e.g. discussing involvement of FDA or regulatory agency and encourage earlier involvement of regulatory agency
 - Stress that imaging takes place throughout process starting with preclinical discovery trial; not just in efficacy and progression trials but also in proof of concept and methods trials
 - Need standard for acquisition, data management and analysis
- Imaging trials need to be powered properly and need more thoughtful incorporation of imaging
- Need to identify what other groups, e.g. ACRIN, are doing and identify gaps

The Cancer Genome Atlas (TCGA) imaging as CTSA IWG model (C. Carl Jaffe, MD, NCI CIP/Boston University)

- Dr Jaffe posited the TCGA as model for CTSA IWG
- Key points:
 - IWG 'service' model is difficult to establish without planned 'entitlement' funding
 - Imaging has to capture cross-disciplinary scientific imagination by being seen as key to translational progress
 - Opportunistic leverage 'big science' projects such as comparative efficacy research, genetics and personalized medicine
- Importance of intra- and extra-institutional connections; natural allies for CTSA include surgery, pathology, oncology clinical trials office (CC), sponsored trials
- Discussion of linking to UPICT project with protocol for imaging glioblastoma
- Consider inter-CTSA-site trial looking at imaging as biomarker and biorepository
- CaBIG may also have useful synergies re workflow for standardization of protocols

Next Steps:

- Consider a publication (news article or editorial) about UPICT template; RSNA staff to talk to RSNA Publications
- Case stories/vignettes from sites demonstrating imaging core value and clinical applications and demonstrate specific benefits of imaging to CTSA's can be directed through Susan Anderson, sanderson@rsna.org for submission to NCRR