

QIBA FDG-PET/CT Technical Committee June Update

Thursday, August 27, 2009

11 AM – 12:30PM CDT

Call Summary

In attendance:

David A. Clunie, MBBS (Co-moderator)
Paul Kinahan, PhD (Co-moderator)
Andrew Buckler, MS
Patricia Cole, PhD, MD
Todd Deckard, MSEE
Igor D. Grachev, MD, PhD
Yuying C. Hwang, PhD
Marianne Maffoni

Colin Miller, PhD
Daniel Sullivan, MD
Jeffrey Yap, PhD

RSNA

Fiona Miller
Susan Anderson
Joe Koudelik

Discussion Topics

- Subcommittee updates
- QIBA Profile
- RSNA 2009 update

General Discussion

Drs Wahl and Kinahan have agreed to lead the calls as Dr Frank has stepped back due to increased work commitments.

Subcommittee updates

Covariate Rationale (Dr Yap)

- No results available until vendor contacts initiated
- Subcommittee has compiled list of requirements to be requested of vendors, e.g. precision of patient weight, net injected dose parameters including residual activity, time synchronization
- Have 1-2 page document to describe covariates needed – to be distributed
- Propose consolidated pitch to vendors in brief PowerPoint format

Quality Control Metrics (Dr Yap)

- Would like content to be included in contacts with vendors; greater outreach needed

SUV (Drs Clunie and Kinahan)

- DRO and Quantitation Computation have merged as SUV subcommittee
- Subcommittee met Aug 6, 2009; summary will be posted on wiki after review

QIBA has anticipated outreach to vendors which would include discussion of QIBA process and methodology

QIBA Profile

- Dr Kinahan will begin review of the **FDG-PET Whole Body Profile** posted on the QIBA Wiki (<http://qibawiki.rsna.org/index.php?title=Profile: FDG-PET Whole Body>) and will modify the preamble (first section) of the protocol then circulate among subcommittee chairs for feedback

- Motivation
- Add text from May 2009 QIBA meeting (uses for FDG-PET)
- Provide references (e.g. May 2009 JNM article)

QIBA Technical Committees Activities at RSNA 2009

- Proposed posters for the FDG-PET/CT Tech Ctte
 - Summarize what Committee has accomplished
 - Why FDG-PET is being used
 - Section on what each subctte is doing
 - Focus can be software enhancements, using language such as “these are covariates we are working on...”

Next Steps

- Continued discussion on posters, activities and MTExperts sessions for RSNA 2009
- Consolidate and coordinate QIBA agenda with vendors across QIBA
- UPICT template version 1.0 to be forwarded to all FDG-PET/CT Tech Ctte members
- Survey status update from Drs Shao and Turkington
- Dr Kinahan will review Profile and move to UPICT format before next call (1month) including modification of the preamble (first part) of the FDG-PET protocol
 - Motivation
 - Add text from May 2009 QIBA meeting in Chicago (uses for PET content)
 - Provide references
 - Drs. Kinahan and Yap to make final revisions to *QIBA Quarterly* article
- RSNA staff to poll for most accommodating day for monthly committee call at 10AM (CDT)