

QIBA DCE-MRI Core Group Update
Friday, May 8, 2009
11:00 am CDT

In attendance:

Gudrun Zahlmann, PhD (Co-Chair)
Michael H. Buonocore, MD, PhD (Co-Chair)
Jeffrey L. Evelhoch, PhD (Co-Chair)
Andrew Buckler, MS
Gregory Karczmar, PhD
David E. Purdy, PhD

RSNA
Fiona Miller
Susan Anderson
Joe Koudelik

Discussion of Group activities at May 19-20 QIBA meeting:

During breakout sessions, Group will:

- Discuss 'Harmonized approach to QIBA'
 - Alignment of activities of Technical Committees
- Review DCE-MRI protocol
- Discuss lessons learned and best practices related to phantom imaging activities; NCIA; image analysis; simulated data; Group's present status and next steps; where human trials would come into place
- Discuss Group perspective of QIBA activities

Discussion leaders and presenters at May 19-20 Group breakout sessions:

Mr Buckler:

- Harmonized approach to QIBA
- Profiling activity which will involve interpreting activities in new terms/format
- Shifting to a common language between Technical Committees, i.e. consistent terminology between groups
- Accomplish a framework of what needs to be accomplished to mainline biomarkers

Dr Buonocore:

- Review of original plan and design philosophy
- Enumerate lessons learned and improvements needed from phantom experience
- Will present data and slide set on phantom experience with IRAT; data may illustrate need for change to pulse sequence in protocol

Dr Jackson:

- What we have learned from experiment, especially related to protocol

Dr Ashton:

- Data analysis, including preliminary data on new phantom

Dr. Karczmar:

- Protocol discussion based on latest version of written protocol

Dr Evelhoch:

- Test-re-test study w/ input from Drs. Schnall and Rosen

NIBIB proposal

- Proposal has two sections
 - Addresses IIBE program infrastructure and three projects, one from each QIBA effort, and series of tasks and objectives on program and project level

- Proposal will be sent to chairs for review before discussion at May 19-20 meeting

Next Steps:

- Dr Zahlmann will:
 - Send latest copy of protocol to Dr Karczmar
 - Schedule a phone call with Mr Buckler prior to May 19-20 mtg
- Dr. Evelhoch to contact Dr Ashton (data analysis) and Dr Schnall (trial activity)
- Drs Zahlmann and Evelhoch will discuss proposed agenda for breakout sessions at May 19-20 QIBA meeting
- Committee members should log in to National Cancer Imaging Archive (NCIA) using passwords recently e-mailed from NCIA and become familiar with site and database; identify questions to be relayed to NCIA
- Chairs to review NIBIB proposal to be sent by Dr Sullivan prior to May 19-20 meeting
- Begin preparation to send one phantom to UChicago (Dr Karczmar)
- Activities for RSNA 2009 – presentation of milestones