

QIBA vCT Technical Committee Weekly Update

Monday, October 19, 2009

11 am CDT

Call Summary

In attendance

Andrew Buckler, MS (Co-Chair)
P. David Mozley, MD (Co-Chair)
Lawrence Schwartz, MD (Co-Chair)
Maria Athelougou, MD
Charles Fenimore, PhD
Philip F. Judy, PhD
Michael McNitt-Gray, PhD
James Mulshine, MD

Nicholas Petrick, PhD
Daniel Sullivan, MD
Hiro Yoshida, PhD
Binsheng Zhao, DSc

RSNA staff

Fiona Miller
Susan Anderson, MLS
Joe Koudelik

Discussion of content for posters for RSNA 2009

- Poster content to be reviewed on Oct 26 call
- Agreement that illustrations are useful and graphically attractive
- Emphasize imaging as measurement science; frame within the context of an existing science
- Important to lay out clinical motivation; consider concept such as “QI as frontier of measurement science”
- Emphasize why image acquisition needs to be performed in a standardized format
- List items that influence accuracy and precision, e.g. slice thickness demonstrating lesion volume differences based on thin v. thick slices; will support importance of utilizing specific acquisition protocol
- May show graphs where QI is more sensitive than RECIST
- Mr Buckler has slides with background and context which may be helpful

Poster 1 (treat poster as whole)

- Drs Mozley and Schwartz and Mr O’Donnell to work together and treat poster as a whole
Content:
 1. Why is it important? May include anecdotal cases from Dr Schwartz plenary session or from Merck (Dr Schwartz)
 2. Roadmap—how we are approaching the problem (Dr Mozley)
 3. Profiling and Protocol detail for VolCT (Mr O’Donnell)
 4. How clinical radiologists can be involved (Dr Schwartz and Mr O’Donnell)
 - Need to target what interests the clinical radiologist; why quantitation is important and why it is crucial to change image acquisition parameters
 - Possible messages:
 - You can judge response by volume/quantitative imaging
 - How accurate are your measurements?
 - See our compelling groundwork
 - ‘Check back next year to see results’

Poster 2 (4 quadrants)

- All four groups will use template developed by Dr Petrick and will work together to make content and layout similar

1A, ¼ poster (Dr Petrick)

1B, ¼ poster (Dr McNitt-Gray)

1C, ¼ poster (Dr Fenimore)

COPD/Asthma, ¼ poster (Dr Judy)

Next steps:

- Dr Zhao will send article to Dr McNitt-Gray
- Drs Mozley and Schwartz and Mr O'Donnell to work together on Poster 1
- Drs Petrick, McNitt-Gray, Fenimore, Judy to work together on Poster 2, using template created by Dr Petrick
- Content for two posters for RSNA 2009 to be reviewed on October 26 call
- Mr Buckler may contribute slides to QIBA kiosk PowerPoint slide show