

QIBA CT Volumetry Leadership Call

03 August 2015 at 11 AM CT

Call Summary

In attendance:

Greg Goldmacher, MD, PhD (Co-Chair)
Jenifer Siegelman, MD, MPH (Co-Chair)

Andrew Buckler, MS
Edward Jackson, PhD

Nancy Obuchowski, PhD
Kevin O'Donnell, MASc

RSNA:

Fiona Miller
Joe Koudelik
Julie Lisiecki

Ad hoc Physics Discussion

- An ad hoc call was held recently for physicists and engineers, including Mr. O'Donnell, Mr. Buckler, Drs. Armato, Boedeker, McNitt-Gray, O'Connor, Samei and Tang.
 - Drs. Boedeker and Samei to provide revised physics assessment procedure; Mr. O'Donnell to follow up
 - Once an initial draft of the iterative reconstruction section is available, it will be distributed for feedback to the CT Physics Section within MITA

Profile

- Claim numbers have been revised based on available completed studies; additional statistical support is needed
- *To be determined*: how information is presented, i.e., whether performance data should be presented in a descriptive or prescriptive manner
- Level at which to set the "QIBA bar" requires BC leadership recommendation and BC member feedback
 - "Easier" initial conformance, with requirements increasing in complexity over time? *or*
 - "More difficult" achievement of the initial conformance standard so that it is more meaningful?
 - CT Volumetry Leadership to present a recommendation to the BC for discussion
 - BC to be polled regarding the level of QIBA Profile performance; responses to be compiled
 - Dr. Goldmacher to send the email to the BC (directly) to increase likelihood of response

Profile Feasibility Test

- Testing of the Profile to continue for usability / feasibility with BC volunteers
 - Dr. Siegelman proposed feasibility testing also include broader QIBA members not intimately familiar with the CT Vol Profile
 - This suggestion will be discussed in further detail on the 8/17 BC call

Action items

- Revised vendor physics assessment procedure - (Drs. Boedeker and Samei, Mr. O'Donnell)
- CT Volumetry Leadership Recommendation and Questions re: conformance requirements with compilation of written responses from BC - (Drs. Goldmacher, Siegelman)
- Profile Feasibility Testing, - (Drs. Siegelman, Goldmacher)
- Invite project PIs for upcoming presentations to the BC - (Dr. Goldmacher)
- Suggestions for fall call schedule topics to: Gregory.Goldmacher@iconplc.com

Next Calls:

- **August 17th**: Progress / future planning for the Profile, RSNA 2015 QIBA poster, BC topics for the fall, including updates on the projects for liver phantom and virtual lesions
- **TBD**: Ad-hoc call for statisticians