

Quantitative Imaging Biomarkers Alliance – Radiology Informatics Committee
(QIBA-RIC) Informatics Task Force
April 17, 2012, 2:30 pm (CT)
Call Summary

Participants:

Kathy Andriole, PhD (chair)
Enrique Aviles
Andrew Buckler, MS
Daniel Sullivan, MD
James Voyvodic, PhD
Maureen White, MS, MD,
MBA
Gudrun Zahlmann, PhD

RSNA Staff:

Linda Bresolin, PhD, MBA,
CAE
Steve Drew
Fiona Miller
Chris Carr
Joe Koudelik
Joan McMillen

Absent:

Rick Avila, MS
David Clunie, MBBS
Bradley Erickson, MD, PhD
Ross Filice, MD
Paul Kinahan, PhD
Michael McNitt-Gray, PhD
Daniel Rubin, MD
Eliot Siegel, MD

Update on Quantitative Imagine Data Warehouse Project:

- Dr. Andriole reported that she presented the QIBA-RIC Task Force recommendations at the February RIC Retreat. RIC was supportive of the approach and recommended that a Proof-of-Concept project be undertaken before a formal recommendation is made to the Board
- A small implementation subcommittee has been appointed and will work to demonstrate the feasibility of the Warehouse, and assess the cost and support needed for broader implementation
- Data from the QIBA DCE-MRI physical phantom project, headed by Dr. Edward Jackson, will be the first use-case
- RSNA Staff has secured rack space that will be funded by RSNA (~\$90/month). It is estimated that the space will be ready for the instantiation of MIDAS software by early May 2012
 - Mr. Buckler suggested that the group consider the version of MIDAS that includes QI Bench Plug-ins for greater functionality and levels of configuration
 - Dr. Andriole and Msrs. Buckler and Reynolds (from Kitware) will discuss the best project configuration
- Next step will be to upload the phantom data provided by Dr. Jackson and determine what metrics are needed to assess net performance
 - Clarification is needed as to use parameters
- Dr. Zahlmann will discuss on the DCE-MRI TC call on 4/18 and prepare a description of the physical phantom use case for Dr. Andriole's review
 - Once approved, testing can be organized
- RSNA staff to set up a call with Drs. Andriole, Sullivan, Jackson, Zahlmann and Bresolin to discuss outcomes
 - Implementation team needs a clear understanding of what is to be accomplished
 - Demonstrate that it can be administered and accessed by a small controlled group
 - Utilization and performance metrics to include time to upload, time to access, technical support required, and subjective assessment of the use and query function
 - Specific functionality may be required depending on the use case implemented

Data Request to Pharma

- In April of 2011 letters were sent from QIBA and the Prevent Cancer Foundation to five pharmaceutical company contacts to solicit data that could be used to support imaging biomarker qualification efforts
- Some companies expressed interest and Genentech has indicated willingness to share an FDG-PET data set with high-resolution CT once contract issues are resolved

Next QIBA/RIC Task Force call TBD