

QIBA MRE Biomarker Committee Call

Tuesday, September 8, 2015 at 3 PM CT

Call Summary

Participants

Patricia Cole, PhD, MD (Co-Chair)

Richard Ehman, MD (Co-Chair)

Edward Ashton, PhD

Thomas Chenevert, PhD

Edward Jackson, PhD

Nancy Obuchowski, PhD

Suraj Serai, PhD

Claude Sirlin, MD

Sudhakar Venkatesh, MD

RSNA

Susan Weinmann

RSNA 2015

- It was determined that this newly-formed group is not ready to create a poster this year
 - Focus will be on making progress with current activities
- If QIBA posters are displayed at the 2016 QIBA Annual Meeting, MRE may submit one
- The QIBA Working Meeting plenary session will be shortened to allow more time for BC breakout meetings – more information to follow

Literature Review Process

- Prior to the last meeting, readers had determined how the COV was calculated from the Methods section in each article, and calculated and recorded the repeatability coefficient in the reproducibility evaluation spreadsheet
- Dr. Obuchowski had volunteered to review all of the recorded data, calculate the repeatability coefficient based upon her formula, and note her results and methodology, for comparison
 - Dr. Obuchowski has since submitted her notes, which were distributed to the group, and discussed
- The repeatability coefficient that was calculated for each study was plotted, revealing a 21% weighted average as shown on the forest plot image
- Dr. Obuchowski will write up a statistical method section that will describe how she arrived at the numbers that were reported
- It was determined that sufficient data were gleaned from the articles for the MRE BC to move forward with the Profile
- There was discussion on publishing this meta-analysis after the Profile protocol is developed

Next Steps:

- Dr. Jackson will send the following documents to RSNA staff for distribution to the group:
 - Definitions for QIBA Protocol and Profile
 - Claim Template
 - Profile Template
 - These documents can be found on the main page of the QIBA wiki at:
http://qibawiki.rsna.org/index.php?title=Main_Page
- Return to Profile and protocol on the next MRE BC call
- Come to consensus as to what protocol should be

The next MRE BC Call is Tuesday, October 13 at 3 PM CT