

QIBA Proton Density Fat Fraction Biomarker Committee (BC) Update Call

Thursday, November 3, 2016 at 3 PM (CT)

Call Summary

Participants

Scott Reeder, MD, PhD (Co-chair)

Claude Sirlin, MD (Co-chair)

Mustafa Bashir, MD

Thomas Chenevert, PhD

Harry Hu, PhD

Edward Jackson, PhD

Michael Middleton, MD

Nancy Obuchowski, PhD

Chelsea Ranger, PA, M.HSc.

Suraj Serai, PhD

Takeshi Yokoo, MD

RSNA

Joe Koudelik

Susan Weinmann

Review of Previous Call Summary

- The 10.06.2016 call summary was approved as presented

Introduction of New Member

- Ms. Ranger, Chief Business Development Officer at Advanced MR Analytics (AMRA), introduced herself and provided a brief overview
 - AMRA is: "An international medical technology company, first in the world to transform MR images into perceived body composition measurements using a cloud-based, computer-aided service." <http://www.amra.se/index.php/about-us/who-we-are>
- Dr Reeder provided an overview of QIBA PDFF activities
 - Solid data on bias and reproducibility has been compiled
 - The plan is to develop longitudinal or cross-sectional Claims within the QIBA framework
 - Dr. Yokoo has constructed a meta-analysis investigating bias and reproducibility with statistician, Dr. Obuchowski

RSNA 2016 Annual Meeting Poster

- The poster has been completed and submitted to RSNA staff for printing
- Poster will be on display at the QIBA kiosk in the Learning Center, Hall D in McCormick Place Sunday - Friday

Profile Update

- PDFF BC materials are in [Dropbox](#)/QIBA PDFF Task Force; new accounts may be obtained by emailing Dr. Reeder: sreeder@uwhealth.org
- The focus of the group's efforts will now be shifted to Claim development
 - There was discussion on whether there are any gaps in the literature where research or groundwork projects would be needed
 - Setting a threshold
 - MR Spectroscopy to assess bias
 - Validation of PDFF via biopsy
 - Dr. Reeder is writing a paper regarding *in vivo* triglyceride content

- An additional literature search will be conducted in January to collect any new data for the completion of the meta-analysis
- Dr. Middleton to look into and present ideas for possible groundwork studies at the next PDFF BC meeting
- The Claim can be finalized when the meta-analysis has been completed
 - Numbers have already been obtained and a placeholder Claim has been developed and may be adjusted later if necessary
 - Further discussion on Claims at the in-person November 30 QIBA Working Meeting breakout sessions during the RSNA Annual Meeting
 - Dr. Yokoo to prepare a brief presentation on meta-analysis results and assign Profile-writing tasks

- It was agreed that because PDFF BC members will convene at the RSNA Annual meeting, a December call is not necessary

Next call: Thursday, January 5, 2017 at 3 PM CT