

**QIBA Proton Density Fat Fraction Biomarker Committee (BC) Update Call**  
Thursday, February 9, 2017 at 3 PM (CT)  
Call Summary

**Participants**

Scott Reeder, MD, PhD (Co-chair)  
Claude Sirlin, MD (Co-chair)  
Mustafa Bashir, MD  
Thomas Chenevert, PhD  
Manuela França, MD

Gavin Hamilton, PhD  
Diego Hernando, PhD  
Harry Hu, PhD  
Edward Jackson, PhD

Michael Middleton, MD  
Nancy Obuchowski, PhD  
Ali Pirasteh, MD  
Suraj Serai, PhD

**RSNA**

Joe Koudelik  
Susan Weinmann

**Review of Previous Call Summary**

- The 01.05.2017 call summary was approved as presented

**PDFF Meta-Analysis Publication Update**

- Most assigned writing tasks have been completed, e.g. abstract, methods, results
- Introduction to be finished by Dr. Sirlin
- Drs. Reeder & Obuchowski to discuss statistical/numerical question offline
- Dr. Yokoo to compile all sections into a complete document and RSNA staff to distribute to PDFF BC
- Target journal will be *Radiology*
- Dr. Sirlin to check with Dr. Yokoo on timeline

**Profile Update**

- PDFF BC materials are in [Dropbox](#)/QIBA PDFF Task Force; new accounts may be obtained by emailing Dr. Reeder: [sreeder@uwhealth.org](mailto:sreeder@uwhealth.org)
- Claims
  - Final numbers will have been determined for Claim development
  - Tables to be filled in with numbers obtained through meta-analysis process
  - Discussion on overview analysis vs. detailed analysis; specific information to be omitted from body of the Profile
  - MRE Profile Claim to be used as a structure model
  - Discussion of issue within MRE Profile:
    - Based on a re-analysis of data for this manuscript the claim for the profile was updated; the threshold for percentage stiffness change that represents a biological change was adjusted
      - The Claim read: “The clinical performance target is to achieve a 95% confidence interval for a true change in stiffness has occurred when there is a measured change in hepatic stiffness of 22% or larger.”
      - Revised to a “repeatability coefficient of  $\leq 19\%$  is conformant with this Profile.”

- Clarify that the repeatability coefficients data table applies to new vendor products, not established MRE systems
  - Discussion on whether to lower percentage further
  - Issue to be taken back to MRE Profile-Writing TF
- Dr. Obuchowski referred to Claim Guidance Document located on the QIBA Wiki at: [http://qibawiki.rsna.org/index.php/Process\\_Coordinating\\_Committee](http://qibawiki.rsna.org/index.php/Process_Coordinating_Committee) and Claim development was discussed
  - After meta-analysis paper completed and submitted for publication, PDFF BC to focus on MRE Profile

#### **Announcements**

- PDFF BC members attending the [SAR Annual Meeting](#) (March 26 – 31) in Hollywood, Florida to meet face-to-face
- PDFF BC members attending the [ISMRM Annual Meeting](#) (April 22 – 27) in Honolulu, Hawaii – RSNA staff to assist with scheduling a face-to-face meeting

**Next call: Thursday, April 6, 2017 at 3 PM CT**