

## QIBA Proton Density Fat Fraction Biomarker Committee (PDFF BC) Meeting

Thursday, February 3, 2022, at 3 p.m. (CT)

### Meeting Summary

#### Participants

Scott Reeder, MD, PhD (Co-chair)

Takeshi Yokoo, MD, PhD (Co-chair)

Mustafa Bashir, MD

Jean Brittain, PhD

Gavin Hamilton, PhD

Diego Hernando, PhD

Nancy Obuchowski, PhD

Nikolaos Panagiotopoulos, MD

Jonathan Riek, PhD

Gary Schooler, MD

Claude Sirlin, MD

#### RSNA

Joe Koudelik

Julie Lisiecki

#### Topics Discussed:

- Overview of the BC's recent accomplishments
- Introduction of Dr. Panagiotopoulos
- New PDFF method for study of liver quantification
- Methodology for [QIBA Profile Conformance](#) testing of quantitative imaging biomarkers for liver using PDFF
- Claim is not yet in final form
- Simulation of artifacts to simulate motion and breath hold issues
- Representation across disease severity for patient enrollment

#### Study details:

- Studies were divided equally among 1.5 and 3 Tesla GE scanners
- The methodology formula included linearity, bias, and variability components
  - Linearity and bias were tested with round robin phantom studies
  - Variability was evaluated via human test-retest studies between sites
- Tools included IdeallQ, IronQuant, and 2DFam
- Sites included Mayo Clinic, UCSD, and UW Madison

#### Action items:

- Dr. Reeder to follow up with Dr. Hall regarding whether it is feasible to publish the claim before completing the Profile, and if so, what publication would be preferable
- Dr. Sirlin to follow up with co-chairs regarding publication ideas
- Dr. Reeder to deidentify out-of-phase images and share with Dr. Sirlin

**Next QIBA PDFF BC meeting:** TBD

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