

QIBA MRE Biomarker Committee Call

Tuesday, November 17, 2015 at 3 PM CT

Call Summary

Participants

Richard Ehman, MD (Co-Chair)
Edward Jackson, PhD
Dariya Malyarenko, PhD
Nancy Obuchowski, PhD

Suraj Serai, PhD
Elif Sikoglu, PhD
Claude Sirlin, MD
Sudhakar Venkatesh, MD

RSNA

Fiona Miller
Joe Koudelik
Susan Weinmann

Call Summary from October 13

- Approved as presented

Further Discussion of Protocol: 2D SE-EPI MRE Sequence

- During the previous meeting, there were questions about whether to include an SE-EPI MRE sequence in the basic protocol of the Profile, in addition to the basic GRE MRE sequence
- Dr. Ehman noted that GE has been delivering a 2D SE-EPI sequence in their FDA-approved 3T MRE product for at least 2 years; the SE-EPI sequence was implemented to provide more SNR at 3T
- Several unpublished studies have shown that stiffness measurements obtained with both sequences are equivalent when SNR is adequate
 - Dr. Bachir Taouli has recently completed and submitted for publication a formal study confirming this as well
 - The abstract and a relevant figure was made available to MRE BC members
The committee agreed that both GRE and SE-EPI MRE sequences should be included in the draft protocol, but within the assumptions of the longitudinal claim, it would be understood that the same sequence would be used, along with the same scanner and reader.
- MRE BC members were encouraged to gather vendor-specific platform default parameters and bring to the December 2 QIBA Working Meeting breakout session for review

Default Parameters for MRE Sequences

- Once the claim statement is completed and the Profile is in place, the MRE BC will look at other types of claims, e.g., cross-sectional
- Group members will be asked to vote in order to confirm agreement

Preparation for Face-to-Face Meeting at RSNA

- The Profile writing process will be discussed during the breakout session
- Guidance was requested
- Dr. Jackson reported that the Profile template will be available prior to the RSNA Annual Meeting
 - It will contain additional guidance for the Profile writer, such as information on the differences between a Profile vs. protocol, technical performance criteria, etc.
 - RSNA staff to distribute updated Profile template to the MRE BC
 - Profile editors who have experience in the Profile writing process will be able to assist MRE with the drafting process
- The group will look at the new Profile template and assign tasks to members

Informal Update on QIBA Ultrasound Shear Wave Elastography Workgroup (Dr. Palmeri)

- Delayed for future discussion

The next MRE BC Call is Monday, December 14 at 3 PM CT