

QIBA MRE Biomarker Committee (BC) Call

Monday, December 20, 2021, at 11 a.m. (CT)

Call Summary

Participants

Patricia Cole, PhD, MD (Co-chair)

Richard Ehman, MD (Co-chair)

David Bennett, PhD

Shelton Caruthers, PhD

Jun Chen, PhD

Timothy Hall, PhD

Dariya Malyarenko, PhD

Paul McCracken, PhD

Frank Miller, MD

Mark Palmeri, MD, PhD

Kay Pepin, PhD

RSNA

Joe Koudelik

Susan Stanfa

The following topics were discussed:

- Current QIBA policy of Profile posting, i.e., new stage voted upon version vs. updated/maintenance versions
- Technical Confirmation feedback and discussion
- Approaches to identify non-conformance data
- Rational for minimal ROI size specified in the Profile
- Educational outreach activities
- User-friendly version of MRE Profile for clinicians and technologists

Action items

- QIBA Process Committee to be consulted regarding the Profile posting policy for maintenance versions
- Due to successful site performance of checklist items, very few/minor changes to MRE Profile will be needed
- Dr. Pepin to add more examples to make Profile easier to use
- Follow up with sites regarding their feedback and how it will be addressed in the next iteration of the Profile
- Dr. Pepin to follow up with scanner manufacturers to determine whether it is feasible to provide any more specificity in the profile regarding OEM recommended QC procedures for image spatial fidelity.
- Educational videos for MRE are needed to help sites/actors to learn how to properly use the Profile, encouraging broader implementation
- Narration (perhaps in multiple languages) to be added to educational MRE videos; volunteers to create additional educational content for each of the checklist actors should contact Dr. Pepin
- Clips from past lectures could be incorporated into new content; Dr. Miller to request videos from [Society of Abdominal Radiology \(SAR\) liver fibrosis disease focused panels](#) (Drs. Venkatesh and Yeh)
- Educational content to be posted on the QIBA Wiki and publicized via social media
- Version of MRE Profile for clinicians and technologists to include descriptions of performing radiological procedures similar to journal articles, i.e., avoiding QIBA-centric terms such as “actors”
 - Drs. Bennett and Cole to volunteer
- Future discussion items
 - Due to a regulatory issue, 3D is currently available only as a research tool, i.e., not widely available; it will not be included in the stage 3 MRE Profile, but may be included in a future iteration
 - Metrics regarding adoption and use of checklist; defining success
- Once Dr. Pepin makes final updates to the MRE Profile, staff will distribute it for MRE BC internal review, then approval via eBallot; then by the MR CC for publishing as Technically Confirmed (Stage 3)
- Next: expand Profile to include cross-sectional Claim