

QIBA Musculoskeletal (MSK) Biomarker Committee (BC) Meeting

Tuesday, December 12, 2023, at 10 a.m. CT

Meeting Summary

In attendance

Xiaojuan Li, PhD (Co-chair)	Jean Brittain, PhD	José Garcia, BS	Jiming Zhang, PhD, DABMP(MR)...
Thomas Link, MD, PhD (Co-Chair)	Majid Chalian, MD	Peter Hardy, PhD	
Donald Anderson, PhD	Jonathan Doyle, MCS	Mei Li, MD	RSNA
Michael Boss, PhD	Natália Favoreto, MS, CCRC	David Rutkowski, PhD	Susan Stanfa
Angie Botto-van Bemden, PhD	Maggie Fung, MEng	Carl Winalski, MD	

Topics Discussed

- November 29 QIBA Quantitative Imaging Symposium
- QIBA transition plans, updates
- RSNA QIBA MSK Profile Stage 3 and 4 Conformance Site Testing Updates (Dr. Li)

Action Items

Quantitative Imaging Symposium Update / MSK Transition Plans

- It was announced that Drs. Tammy Benzinger, MD, PhD and Paul Kinahan, PhD had been appointed as QUIC Co-chairs
- QIBA accomplishments were highlighted, and the future of QI was discussed
- Dr. Li is awaiting a response from Dr. Reeder at ISMRM regarding admin support for the MSK imaging biomarker writing group
- Developing combined SSR / ACR endorsed cartilage composition protocol could be the next step if the MSK Profile is not selected by QUIC; Dr. Chalian has been trying to reach the SSR Research Cmte Chair

Stage 3 & 4 Conformance Testing Update (Dr. Li)

- Pre-scan preparation: IRB for each site, DUA between each site and the Arthritis Foundation (AF), site info to be registered at OIC tracking database
- The DUA template was circulated in November
- Only after DUAs are executed, can the Cleveland Clinic Foundation (CCF) receive site data, perform data analysis, and plan for publication
- Some sites have already begun human scanning while waiting for phantoms
- If patient and phantom data collection and transfer is finished by the end of the first half of 2024, data can be reviewed during the second half of 2024, with publication to follow in the first half of 2025

Update on phantom (Dr. Brittain)

- Calimetrix has ordered parts, is building the next round of phantoms for 11 sites and NIST, and is working with sites on agreements
- A vendor delay extended the timeline for shipping phantoms to sites; if Calimetrix does not receive the parts in time to ship phantoms out to sites by Dec. 18, they will send them after the new year

Next Steps

- A formal request will be submitted to QUIC for the "MSK imaging biomarker writing group" to be selected as a QUIC Profile authoring group
- Dr. Mei Li will follow up again with sites that have not submitted their DUA
- Regular meetings will be scheduled as required and will be held on the 4th Tuesday of each month at 10 a.m. CT; staff forwarded the email list to Drs. Li and Link