

## QIBA Musculoskeletal (MSK) Biomarker Committee (BC) Meeting

Tuesday, August 22, 2023, at 10 a.m. CT

### Meeting Summary

#### In attendance

<i>Xiaojuan Li, PhD (Co-chair)</i>	José Garcia, BS	Mei Li, MD	Nicole Wake, PhD
<i>Thomas Link, MD, PhD (Co-Chair)</i>	Ali Guermazi, MD, PhD	Jing Liu, PhD	Carl Winalski, MD
Donald Anderson, PhD	Peter Hardy, PhD	Kecheng Liu, PhD, MBA	Yansong Zhao, PhD
Angie Botto-van Bemden, PhD	Gabby Joseph, PhD	Nancy Obuchowski, PhD	
Robert Boutin, MD	Jason Kim, PhD	Chris Peng, PhD	<b>RSNA</b>
Jean Brittain, PhD	Feliks Kogan, PhD	David Rutkowski, PhD	Susan Stanfa
Majid Chalian, MD			

#### Topics Discussed

- Update from QIBA Q3 MR Coordinating Committee Meeting (Dr. Link)
- RSNA QIBA MSK Profile Stage 3 and 4 Conformance Site Testing Updates (Dr. Li)
- Calimetrix MSK phantom manufacturing update (Dr. Brittain)

#### Action Items

##### *August 8 MR Coordinating Committee*

- QIBA brand to remain following the reorganization of the current structure
- Profile approval process for 2024 and beyond to be determined by the new RSNA Quantitative Imaging Committee (QUIC)
- QUIC development is expected in Q1-Q2 of 2024; once formed, it may initially focus on 1-3 QIBs
  - Profiles with clinical impact at Stage 2 or beyond will be considered for integration in clinical trials / clinical workflow
- Letter to RSNA/QUIC with vision and pathway for biomarkers to be drafted by QIBA Leadership prior to the Dec. 21 Steering Cmte meeting
- MSK BC efforts to continue past Dec. 21 via email communication and less frequent meetings

##### *Stage 3 & 4 Conformance Testing Update (Dr. Li / Site Investigators)*

- Protocol has been harmonized across GE, Philips, and Siemens platforms
- Data transfer involves three components including human data through Ambra, phantom data through Secure File Transfer Protocol (SFTP), and database registration
- [The May 23, 2023, MSK BC Call Summary](#) contains data transfer process details
- Ambra had released image uploading protocol on July 26
- Cleveland Clinic (CC) has received data from Erasmus, Stanford, and from the three multivendor R01 sites (UCSF, Einstein College of Medicine, and University of Kentucky)
- University of Washington has been working on debugging; IT staff will soon be in touch with the CC team
- In order to provide data/image access to Arthritis Foundation (AF), a standardized DOA (Document of Agreement) is needed between AF and all sites
  - University of Washington legal office is reviewing the DOA and the template will be circulated

##### *Calimetrix MSK phantom manufacturing update (Dr. Brittain)*

- Dr. Li (CC) to contact the other five Calimetrix phantom sites to begin paperwork
- Calimetrix cannot order parts from suppliers for 2<sup>nd</sup> batch without paperwork from participating sites and funds from AF

## Next Steps

- Platform-specific protocols to be disseminated to the corresponding sites
- Contact information of data uploader must be sent to Dr. Mei Li, who will send compiled email addresses and site numbers to Ambra for account creation
  - Link will then be provided to site contacts who will generate account and password to upload data
  - Drs. [Xiaojuan Li](#) and [Mei Li](#) can be contacted with data transfer questions or issues
- **Next meeting:** Tuesday, September 26, 2023, at 10 a.m. CT
  - Step-by-step database demonstration of data transfer is planned (research coordinators will also be invited to this meeting)
  - Calimetrix to provide phantom images

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Participants are welcome to contact RSNA staff at [giba@rsna.org](mailto:giba@rsna.org) if their attendance is not reflected on meeting summaries.