

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

Tuesday, April 25, 2023, at 10 a.m. CT

### Draft Meeting Summary

#### In attendance

Xiaojuan Li, PhD (Co-chair)	Natália Favoreto, MS, CCRC	Nancy Obuchowski, PhD
Thomas Link, MD, PhD (Co-Chair)	Maggie Fung, MEng	Edwin Oei, MD
Donald Anderson, PhD	Ali Guermazi, MD, PhD	Yuxi Pang, PhD
Bruce Beynon, PhD	Peter Hardy, PhD	Chris Peng, PhD
Michael Boss, PhD	Gabby Joseph, PhD	Nicole Wake, PhD
Robert Boutin, MD	Feliks Kogan, PhD	Carl Winalski, MD
Jean Brittain, PhD	Mei Li, MD	Jiming Zhang, PhD, DABMP(MR), MRSE
Majid Chalian, MD	Jing Liu, PhD	Yansong Zhao, PhD
Jonathan Doyle, MCS	Kecheng Liu, PhD, MBA	

#### RSNA

Susan Stanfa

#### Topics Discussed

- Update on Calimetrix MSK phantom manufacturing timeline (Dr. Brittain)
- RSNA QIBA MSK Profile Stage 3 and 4 Conformance Site Testing Updates (Dr. Li)

#### Action Items

##### **Round Robin 2 with Calimetrix MSK Phantom – Manufacturing Timeline (Dr. Brittain)**

- Timeline delays due to scientific development / experimental development of the phantom and paperwork
- The phantom will be ready for Dr. Li to test by the end of July 2023; the timeline for the 2<sup>nd</sup> batch of six phantoms will depend upon the number of changes needed
- Recommendation to begin paperwork now for the 6 sites that will use the 2<sup>nd</sup> batch of phantoms
- Sites to provide feedback on the phantom housing as Round Robin 2 proceeds

##### **Stage 3 & 4 Conformance Testing**

- Round Robin 1 with the Phantom Lab phantom was completed and included Cleveland Clinic (CC), Albert Einstein College of Medicine, University of Kentucky, and University of California; Vendors included GE, Philips, and Siemens
- Round Robin 2 with Calimetrix phantom will include Robin 1 sites plus Duke University, University of Iowa, University of North Carolina, and UCSF
- Repeat phantom scans will be done once a week for the first month, then once a month for the following 6 months, resulting in a total of 10 phantom measures
- Scan / rescan of 5-10 volunteers to be done on the same day with repositioning between scans or on different days within a week
- Paperwork will include an IRB and Data Usage Agreement between each site and the Arthritis Foundation
- Protocol documents have been disseminated and electronic protocols were provided to sites
- CC has executed the data management contract with Ambra
  - Anonymization template and patient data transferring protocol is being developed
  - Ambra accounts are being issued to scanning sites and training on uploading data is being provided
    - Permission and link to the tracking database will be provided for sites to enter their information

#### Next Steps

- Drs. Li, Brittain, and Kim (AF) to discuss preparation of paperwork for the six Round Robin 2 sites
- **Next Meeting:** Tuesday, May 23, 2023, at 10 a.m. CT [4<sup>th</sup> Tuesday of each month]

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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.