

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

Tuesday, September 26, 2023, at 10 a.m. CT

### Meeting Summary

#### In attendance

Xiaojuan Li, PhD (Co-chair)	Jean Brittain, PhD	Youngkyoo Jung, PhD, DABR	David Rutkowski, PhD
Thomas Link, MD, PhD (Co-Chair)	Majid Chalian, MD	Mei Li, MD	Jiming Zhang, PhD, DABMP(MR)...
Donald Anderson, PhD	Jonathan Doyle, MCS	Jing Liu, PhD	Yansong Zhao, PhD
Bruce Beynon, PhD	Ali Guermazi, MD, PhD	Kecheng Liu, PhD, MBA	
Michael Boss, PhD	Peter Hardy, PhD	Nancy Obuchowski, PhD	<b>RSNA</b>
Angie Botto-van Bemden, PhD	Gabby Joseph, PhD	Chris Peng, PhD	Susan Stanfa

#### Topics Discussed

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

#### Action Items

##### *QIBA Transition Plans, Updates*

- Dr. Chalian discussed with the Society of Skeletal Radiology (SSR) research Chair, and Dr. Link contacted the International Skeletal Society (ISS) re: providing administrative support for the MSK BC, beginning in 2024
- Dr. Boss to determine whether the MSK Profile could be used to develop ACR practice parameters for quantitative imaging of cartilage, which may involve the provision of ACR admin support
- In the meantime, the MSK BC will focus on their Profile advancement to stage 3 and 4

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

- Pre-scan preparation: IRB for each site, DUA between each site and AF, site info to be registered at OIC tracking database
- QIBA phantom and human scan protocols have been harmonized across GE, Philips, and Siemens platforms, and have been disseminated to all sites
- Mr. Doyle provided step-by-step OIC tracking database and QIBA database demonstrations; sites to:
  - Transfer phantom scan data to CCF/OIC through SFTP; accounts generated and distributed to all sites
  - Upload human scan data to Ambra; accounts for testing that were generated and distributed to all sites will expire on Friday, Sept. 29
    - Sites must send phantom testing images acquired with MAPSS ASAP (September 29<sup>th</sup> deadline)
  - Record transferred data information in the OIC QIBA database in RedCap, upload transmittal form, and label the scan completion (Dr. Li's team will provide RedCap access information for data transfer)
    - Sites to update scan information, e.g., number of participants, number of human scans, number of phantom scans, in OIC tracking database in RedCap on a monthly basis
- Dr. Mei Li provided a review of the phantom scan transmittal forms

#### Next Steps

- DUA template, single SOP file, and access to meeting recording to be disseminated
- Sites must send phantom testing images by 9/29 before testing account expires
- **Next meeting:** Tuesday, October 24, 2023, at 10 a.m. CT - Calimetrix phantom update to be provided
- Due to the RSNA Annual Meeting during the last week of November and closure of RSNA for the holidays during the last week of December, the final RSNA staff-supported MSK BC meeting will be held **off-schedule on Tuesday, December 12, 2023, at 10 a.m. CT**