QIBA PET Myocardial Blood Flow (MBF) Biomarker Committee (BC)
Monday, June 12, 2023, at 9 am CT
Call Summary
Notes derived in part from Dr. Moody's slides

In attendance		RSNA Staff
Jonathan B. Moody, PhD (Co-Chair)	Martin Lodge, PhD	Julie Lisiecki
Rob deKemp, PhD (co-chair)	Nancy Obuchowski, PhD	
Ian S. Armstrong, MPhys, MSc, PhD	John O. Prior, MD, PhD	
Charles Hayden, BS, MSEE	Jennifer Renaud, MSc, BEng	

Moderator: Dr. Moody

The following topics were discussed:
- Review of changes to sections 3.4 - 3.7
- Phantom scan limitations

Discussion
- Reviewed updates to sections 3.4, 3.5, 3.6, and 3.7
- Retrospective check of patient scan used to determine and adjust dose
- Suggested reviewing Charles Watson papers from early 2000s
- Two areas under consideration:
  - Things that can be improved, e.g., dosing and accuracy
  - What has been done previously
- Daily QC with dynamic scan (centered on phantom scan)
- Preventive maintenance would not be a daily procedure
- Limitations of count rate with the phantom
- Explore comparable thresholds for different scanners
- Subject handling (3.6) and Radiopharm administration (3.7) introduced

Continue discussion on next call
- Radiopharm administration requirements (3.7)

Ongoing action items: (please strike if complete)
- Dr. Moody to try to find a technologist willing to join the call to discuss certain requirements, e.g., patient motion, etc.
- Dr Armstrong – Review QA requirements before next call and work on section 3.4.2 (table specifications)
  - Consider adding another row for general PET scanner QA
- All – consider other papers that may have supportive data
- Dr. deKemp to provide names and email addresses of new members to be added
- Dr. Moody to draft publication based on Dr. Obuchowski's meta-analysis on MBF repeatability
- Dr. Moody to start drafting the Radiologist (Actor) checklist per the streamlined Profile template
- Dr. Moody to work on protocol design tables and share papers to shared drive
- Dr. deKemp to craft a bias table and review the linearity plot, looking at K^1 vs. flow values
- Dr. Moody to work on a DRO model; will look at QIBA work with DCE-MRI
- Review needed for 3.3 Product Validation, 3.4 Periodic QA, and 3.7 Pharmaceutical Administration
- Dynamic phantom scan protocol in Section 4 Assessment Procedures to be fine-tuned by Dr. Moody

Next Call: July 10, 2023, at 9 am CT (2nd and 4th Mondays) at 9 am CT

QIBA Process Committee Resources

- **Process Committee Leaders**: Kevin O'Donnell, MASc (Chair) | Michael Boss, PhD (Co-Chair)
- **Wiki Resources**: Dashboard | Profiles | QIBA Profile template | How to Write a QIBA Profile | Claim Guidance Vetting requirements
- **Inventory of QIBA tools:** QIBA LinkedIn page (please join / follow) | QIBA News | QIBA Community
- **Other:** QIBA Webpage | QIBA Wiki | QIBA Biomarker Committees | QIBA Organization Chart | Dropbox
- **EndNote**: To obtain access to the RSNA EndNote citations, please email: sstanfa@rsna.org.