

## QIBA PET Myocardial Blood Flow (MBF) Biomarker Committee (BC)

Monday, July 11, 2022, at 9 am CT

Call Summary

### In attendance

Jonathan B. Moody, PhD (Co-Chair)  
Martin Lodge, PhD  
Nancy Obuchowski, PhD

### RSNA Staff

Joe Koudelik

**Moderator:** Dr. Moody

### The following topics were discussed:

- GitHub and Manubot platform feature review
- Review of Section 3: Profile Activities (specification tables)
- Checklist Actor specifications
- Bolus and flush characteristics
- Interframe motion correction
- Phantom requirements

### Decisions / Action items:

- GitHub to be used as a discussion platform to maintain Profile writing efforts between calls
- Manubot (<https://manubot.org>) another open, collaborative, versioning platform that integrates with GitHub might be used for workflow efficiency
- Dr. Moody to provide reference materials regarding GitHub and Manubot
- The Tc99 SPECT and PET-Amyloid Profiles being used as templates; not all specifications will apply to the MBF Profile
- Radiopharmaceutical infusion specifications to be added once more data are available
- Kinetic modeling expertise regarding bolus travel deemed important in addition to equipment QA/QC procedures
- Interframe motion correction software critical to assess bolus flow numbers; required for quantitative imaging
- Review and consensus needed for Sections 3.3 Product Validation, 3.4 Periodic QA, and 3.7 Pharmaceutical Administration during the next call
- Profile will require the use of the Dynamic Cardia Phantom (Data Spectrum Corporation)
- Dynamic phantom scan protocol in Section 4 Assessment Procedures to be fine-tuned by Dr. Moody
- Digital dynamic dataset suggested to test/compare FDA approved motion correction software packages; motion free and motion biased (corrupted) data needed to compare software performance

**Next Call:** July 25, 2022, at 9 am CT (2<sup>nd</sup> and 4<sup>th</sup> Mondays) at 9 am CT

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### Process Committee

- **QIBA Process Committee Leaders:** [Kevin O'Donnell, MASc](#) (Chair) | [Michael Boss, PhD](#) (Co-Chair) <mailto:mboss@acr.org>
- **Wiki Resources:** [Dashboard](#) | [Profiles](#) | [QIBA Profile template](#) | [http://qibawiki.rsna.org/index.php/QIBA\\_Profile\\_TemplateHow to Write a QIBA Profile](http://qibawiki.rsna.org/index.php/QIBA_Profile_TemplateHow_to_Write_a_QIBA_Profile) | [http://qibawiki.rsna.org/index.php/How to Write a ProfileClaim Guidance](http://qibawiki.rsna.org/index.php/How_to_Write_a_ProfileClaim_Guidance)
- **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](mailto:sstanfa@rsna.org).