

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

Monday, September 27, 2021, at 9 am CT

Call Summary

### In attendance

Robert deKemp, PhD (Co-Chair)  
Jonathan B. Moody, PhD (Co-Chair)  
Nancy Obuchowski, PhD

### RSNA Staff

Joe Koudelik  
Julie Lisiecki

**Moderator:** Dr. deKemp

### Discussion

- Same day vs. multi-day testing has a significant impact on the wCV measurement
- For each patient, an individual wCV is calculated, and further characterized by tracer, scanner, and test-retest sites, so each observation has a wCV
- 17 publications with 3 measurands each would give 150 estimates of wCV, which may be too many
- Model 1 looked at the effect of scanner plus tracer
- Too many variables to do meaningful multi-day modeling
- Plan to see if stressor 2 would make any significant changes to the model
- Univariate model may not be as useful as originally hoped
- Adjustments to be made to the model
- Day, stressor, and tracer seem to be stronger variables
- Dr. Moody to work on a visualization or matrix of the data that are available
- Dr. Obuchowski to recreate the table without p-values, looking at the confirmed first group of primary variables
- Three levels of variables to be included for now though more discussion is needed

### Action item:

- Dr. deKemp to look for methodology papers to support the cross-sectional claim (based on bias and precision)

**Next Call:** October 11, 2021, at 9 am CT (2<sup>nd</sup> and 4<sup>th</sup> Mondays) at 9 am CT

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### Process Committee

- Profile Editors are encouraged to join the QIBA Process Committee to learn about QIBA writing tips and processes and network with other Profile Editors to exchange best practices
- **QIBA Process Committee Leaders:** [Kevin O'Donnell, MAsc](#) (Chair) | [Michael Boss, PhD](#) (Co-Chair)
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- **EndNote:** To obtain access to the RSNA EndNote citations, please email: [sstanfa@rsna.org](mailto:sstanfa@rsna.org).