AIUM/QIBA
Ultrasound Volume Blood Flow
Biomarker

CALL SUMMARY 09-10-2018

Attendance:
Brian Fowlkes, Tim Stiles, Oliver Kripfgans, Mark Lockhart, Todd Erpelding, Paul Carson, Jim Zagzebski, Michelle Robbin, Jing Gao, Kathi Minton – AIUM Staff

I. Review of Data Set

- Statistical analysis. Nancy Obuchowski, QIBA statistician reviewed data and it's positive for further statistical analysis. Specific suggestions were made. Asked for information regarding which data belongs to which numbered systems (not name of system).
    o She will make a model separate coefficient variant between vendors and sites; for example, gain or depth. She will report back as to which model can be established.
    o Model between pulsatile flow and constant flow. She will see what factors impact precision and bias? She wants to create a coefficient variant for this as well.

II. Additional Discussion

- Question regarding whether there will be a poster for the RSNA. We need to see what part of the work is reportable from last year to this year. Possible the data from Nancy is presentable.
- Update form Michigan
    o One platforms in terms of vessel size and determining the upper balance on how small a vessel we can obtain. Potential research project and can feed in to the idea of QIBA going forward. Take a 5mm nominal vessel size and range of depth…similar to obstetrics later in gestational age. Question remains if going to an earlier gestational age for venous flow (attractable targets because of pulsatility). Addressing these questions Open up a wider range of applications for the variety of different vendors involved in the project. Will update as we move forward.
- Intereseted if anyone has thoughts others for other potential venous applications. Pleural venous flow could be another application.