



AIUM/QIBA Ultrasound Volume Blood Flow Biomarker

Summary 06-May-2024

Attendees: Brian Fowlkes, Jim Zagzebski, Jonathan Rubin, Megan Russ, Ted Lynch, Tim Hall, Stephen Pinter, Jing Gao, Oliver Kripfgans, Rimon Tadross

AIUM Staff: Haylea Weiss

1. ROLL CALL (We need to do this so that the video and transcript will capture attendees)
2. Review of Previous Call Summary – 04-March-2024
3. Previous Action Items (Next Steps)
 - 3.1. Tim Hall to provide information or review by the group in terms of specifications for the fluid. **Information communicated in previous agenda.**
 - 3.2. Brian Fowlkes will try to collect more measurements to verify the resistive index. – In Progress
 - 3.3. Brian and Oliver will discuss the analysis performed and results of Reference 24 related to pulsatile flow.
 - 3.4. Brian will look into the possibility of adding an appendix or other source to explain the analysis performed.
 - 3.5. Brian, Oliver, and Tim will consider potential sources from other profiles to inform the VBF profile for next stage.
 - 3.6. Brian will review the necessary steps for moving the profile to the next stage and discuss the feasibility of collecting volume flow data.
 - 3.7. Brian will explore the possibility of setting up a trial to collect data for the profile.
 - 3.8. Brian will look into the creation of a web page or spreadsheet that can automatically populate the results from the checklist.
 - 3.9. Poll BC members and others on the zoom list for continued participation
 - 3.10. Future Round Robin at a Conference - Consider contacting company about their ability and interest in participating in a possible round robin in the future when systems are ready. Also need to determine what specifically will be gained. This needs to be an effort that would be expected to result in a publishable outcome. - On Hold while concentrating on profile

- 3.11. Determine need for any additional information (appendix) that would need to be provide related to Zonnebeld analysis. Consider whether there might be interest by the authors in an additional related publication. - On Hold while concentrating on profile.
 - 3.12. Brian will reach out to Lizbeth and Ivan to discuss the feasibility of measuring backscatter coefficients from blood mimicking fluids.
 - 3.13. Brian will consider a possible protocol to help people evaluate their relative backscatter for their blood mimicking fluid.
 - 3.14. Brian will look over the information from the RSNA on how the spreadsheet works and consider its potential use for future testing.
 - 3.15. Brian will work on developing a standalone software package for offline data processing.
4. Update on VBF Profile Discussions Review of outstanding comments (See Open Issues Section in Consensus Profile).
 5. Update on IEC Flow Standards
 6. Matters Arising
 7. New action items

Next full BC meeting is scheduled for Monday, May 6, 2023 at 12:30 pm ET. (Skipping April due to meeting conflicts in that month) Profile meetings to be scheduled as needed.

