



PULSE-ECHO QUANTITATIVE ULTRASOUND

BIOMARKER COMMITTEE

Agenda for Friday, February 3, 2023

11:00am – 12:00pm

Attendees: Anthony Samir (Co-Chair), Michael Wang, Stephane Audiere, Jeffrey Bamber, Richard G. Barr, Chris De Korte, Todd Erpelding, Raul Esquivel, Giovanna Ferraioli, David Fetzer, J. Brian Fowlkes, Jing Gao, Joel Gay, Timothy Hall, Aiguo Han, Roberto Lavarello, Amy M. Lex, Ted Lynch, Ravi Managuli, Stephen McAleavey, Jonathan Mamou, Gary Ng, Theodore Pierce, Michelle L. Robbin, Stephen Rosenzweig, Paul Sidhu, Timothy Stiles, Michael Thornton, Theresa Tuthill, Keith Wear, Seth Lirette, Firouzeh Heidari, James Zagzebski, Marco Crocco, Hayley Whitson, Peter Edmonds, Stefano Debeni

AIUM Staff: Kelly Phillips

TOPIC	COMMENTS	ACTION ITEMS
Introduction	Welcome (MW) 5 min	
Phantom Study	Update on status of phantom study (team) 20 min <ul style="list-style-type: none"> • Condition and location of phantoms • Measurement progress • Schedule updates • Manual/protocol updates • Open issues 	
Profile Writing Work Group	Announcement of profile writing work group members (MW, 5 min)	

Work Groups	Work Group Progress Reports a. Attenuation (5 min) b. Sound Speed (5 min) c. Backscatter (5 min) d. Phantom (5 min)	- David F to share the data sharing information from Siemens with the co-chairs
Discussion	Open discussion (MW) 10 min	
NEXT CALL	Date: March 3, 2023 Time: 11:00am, EST	

Update on phantom study

- Phantoms:
 - Update on set 1 from MGH team
 - Update from Firouzeh
 - shared a table for what to follow
 - Set 2 was sent back to Mirion for repair. After inspection, we agreed on pouring a new set of phantoms.
 - Set 2 will be shipped directly to Dr. Barr, while the “lollypops” (reference standards) will be sent to UW for characterization.
 - Once set 2 is shipped, the final shipping schedule will be posted on Basecamp.
- Profile writing working group members announced

Work Group Updates

- Attenuation WG – no update
- Sound Speed WG – TP/SR
 - Paper is under review
 - Firouzeh and escopics have been updating protocol for measurement depths
- Backscatter WG - TT
 - Work on protocol – computation of BSC would also require the attenuation coefficient at the higher frequency - how is the attenuation WG handling this?

- Should BSC and others be frequency dependent?
- Phantom WG - DF
 - Sharing preliminary success in developing a lipid-based phantom; interested if anyone has had success in creating a tissue like phantom that matched expected normal liver – would like to collaborate (can contact Tim Hall)