



**PULSE-ECHO QUANTITATIVE ULTRASOUND
BIOMARKER COMMITTEE**
Agenda for Friday November 3, 2023
 11:00am – 12:00pm

Attendees: Anthony Samir (Co-Chair), Michael Wang, (Co-Chair), Stephane Audiere, Jeff Bamber, Marco Crocco, Stefano Debeni, , J. Brian Fowlkes, Jing Gao, Joel Gay, Timothy Hall, Aiguo Han, Yassin Labyed, Roberto Lavarello, Amy Lex, Gary Ng, Arinc Ozturk, Theodore Pierce, Michelle L. Robbin, Jonathan Rubin, Scott Schoen Jr, Theresa Tuthill, Xiaohong Wang, Keith Wear, James Zagzebski Pietro Menini, Sara Traversini, Nancy Obuchowski, Caitlin Schneider

AIUM Staff: Kelly Phillips

TOPIC	COMMENTS	ACTION ITEMS
Introduction	Welcome (MW)	
Phantom Study	Update on phantom study (Mike and site leaders) <ul style="list-style-type: none"> a. Condition and location of phantoms b. Measurement progress c. Schedule updates d. Data curation e. Open issues 	<ul style="list-style-type: none"> -Mike to post the updated schedule in Basecamp -Arinc will work on updating the protocol to include room temperature documentation. -Arinc will send a reminder in Basecamp to upload images to the database in zip file format.
Work Groups	Work Group Progress Reports <ul style="list-style-type: none"> a. Phantom b. Attenuation c. Backscatter d. Sound Speed f. Profile writing 	

Discussion	Open discussion	-Mike will follow up with Tim Stiles on membrane properties -Mike will check with Ivan on hockey puck samples
NEXT CALL	Date: December 1, 2023 Time: 11:00am, EST	

MW – shared the latest phantom schedule/updates – **will post in Basecamp**

AO – No standards defined for documenting room temperature (concern of J. Rubin) – **will update protocol**

Reviewing images uploaded to the database; please upload the images in zip format – **will send reminder in Basecamp**

Work group updates

Attenuation WG –

AO – no updates

Sound Speed WG –

XW – Claims were updated, getting feedback – plan is to have initial draft by 11/15/23

Backscatter WG –

TT – Work for phantom study

- Getting all 3 analysis sites access to data
 - o All 3 sites will analyze each data set
 - o Roberto creating data form
- Lengthy discussion on if RF data can be made public since data cannot be anonymized to machine
 - o MW – images are only accessible to the members doing data curation; will never be made public; only anonymized results will be made public; should have RF data from Siemens sites and some GE sites – can keep hosting the data and sharing the current way

Profile Writing (Aiguo)

- Still on hold (waiting for Attenuation group's work)

Phantom WG –
No update given

Profile writing -
MW from IRM -meeting on 11/22 to review initial drafts and deadline for first draft is 11/15

MW – publications – next step would be to publish findings from the phantom study; various biomarker groups may want to have their own publications, then an overall summary from the whole group – possible interim results published
- Nancy - potential bias if interim results are seen; possible changes to the study design

TH – needs numerical values or equation for transmission coefficients of the membrane material – MW will FU with Tim Stiles to make these available

MW to check with Ivan on hockey puck samples – understanding was they were shipped along with study phantoms