



**PULSE-ECHO QUANTITATIVE ULTRASOUND
BIOMARKER COMMITTEE**

Agenda for Friday, November 4, 2022

11:00am – 12:00pm

Attendees: Ivan Miguel Rosado-Mendez (Co-Chair), Anthony Samir (Co-Chair), Stephane Audiere, Jeffrey Bamber, Richard G. Barr, Paul L. Carson, Guy Cloutier, Todd Erpelding, Raul Esquivel, , Giovanna Ferraioli, Jing Gao, Aiguo Han, Viksit Kumar, Roberto Lavarello, , Tian Liu, Kibo Nam, Gary Ng, Theodore Pierce, Michelle L. Robbin, Jonathan Rubin, , Timothy Stiles, , Theresa Tuthill, Xiaohong Wang, Keith Wear, James Zagzebski, Hayley Whitson, Nancy Obuchowski, Firouzeh, Heidari, Marco Crocco, Stefano DeBeni

AIUM Staff: Kelly Phillips

TOPIC	COMMENTS	ACTION ITEMS
Introduction	Welcome (IRM - 3 min)	
Proposal	New working group proposal (IRM – 5 min)	WG co-chairs to send Ivan the name of a volunteer by Nov 21
Phantom Scanning	Update on phantom scanning at MGH (T. Pierce, F. Heidari – 12 min)	
Work Groups	Work Group Progress Reports <ul style="list-style-type: none"> a. Phantom (7 min) b. Backscatter (7 min) c. Sound Speed (7 min) d. Attenuation (7 min) 	SoS – meet with Ivan to discuss membrane issue

Discussion	Open discussion (12 min)	Immediate action item – Measurement and shipping protocols and calendar for test cylinders – presented at next phantom WG – please contact Kelly at kphillips@aium.org if you'd like the Phantom WG call info for 11/15 at 2pm EST.
NEXT CALL	Date: December 2, 2022 Time: 11:00am, EST	

IRM - New working group –

- Profile writing WG
- Coordinator: Ivan Rosado-Mendez
 - Members (4)
 - 1 volunteer from Phantom WG
 - 1 volunteer from Backscatter WG
 - 1 volunteer from Sound Speed WG
 - 1 volunteer from Attenuation WG
 - Goal: produce the first draft of the profile based on drafts of claims produced by biomarker WGs
- Deadline for first draft: November 1, 2023
- WG co-chairs – **please send name of a volunteer by November 21**

TP - Update on Phantom scanning at MGH –

- Shared a summary of what has been completed so far
- IRM – **arrange a meeting for next week to discuss the membrane issue**

TS – Phantom WG

- Phantom Handling Guidelines
 - Draft version on Basecamp; updated version to come later today – please comment
- Warming pads for shipment
 - Prevent freeze/thaw of phantoms
 - If temperatures well below freezing are anticipated, use warming pads for reptile shipment that provide 48-72 hours of increased temperature
- Paper
 - Draft by early next week

TT – Backscatter WG

- Radiology paper (led by Keith Wear)
 - Published online in October
- Work for phantom study
 - Work on Backscatter protocol
 - For Siemens need to differentiate if using UDF. Proprietary files would be sent to Siemens who would then send BSC results back to the site. Site then fills out google form.
 - Status of BSC computation
 - A test set was created by Aiguo on the Siemens S3000 to confirm standardization of BSC computation
 - Two computation sites have computed BSC: awaiting statistical results of comparison
 - Still collecting additional info from site on agreements with manufacturers (Firouzeh collating)

VK – Attenuation WG

- Updated the attenuation study protocol
- Updated the general study protocol

TP – Sound Speed WG

- Completed revisions of SoS phantom scanning protocol
- Manuscript status
 - Revisions near complete
 - Planned submission by next PEQUS meeting
- Data acquisition sheet on Basecamp (google form)
 - Underwent recent revision with updated phantom information