



**PULSE-ECHO QUANTITATIVE ULTRASOUND
BIOMARKER COMMITTEE**

Agenda for Friday, February 4, 2022

11:00am – 12:00pm

Attendees: Ivan Miguel Rosado-Mendez (Co-Chair), Anthony Samir (Co-Chair), Michael Wang, (Co-Chair), Stephane Audiere, Jeffrey Bamber, Paul L. Carson, Guy Cloutier, Todd Erpelding, Giovanna Ferraioli, David Fetzer, J. Brian Fowlkes, Jing Gao, Joel Gay, Timothy Hall, Jean-Pierre Henry, Viksit Kumar, Amy M. Lex, Ravi Managuli, Kibo Nam, Gary Ng, Arinc Ozturk, Theodore Pierce, Michelle L. Robbin, Stephen Rosenzweig, Jonathan Rubin, Laurent Sandrin, Paul Sidhu, Timothy Stiles, Michael Thornton, Theresa Tuthill, Keith Wear, James Zagzebski, Peter Edmonds, Firouzeh Heidari, Nancy Obuchowski, Hayley Whitson

AIUM Staff: Kelly Phillips

TOPIC	COMMENTS	ACTION ITEMS
Introduction	Welcome (AS - 3 min)	
Paper Updates	Congratulations Attenuation work group Update on Position Paper (IRM, DF – 5 min)	Vendors - please respond to the message; Provide example images, diagram
Scanning Protocols	Update on scanning protocols (FH – 10 min)	Firouzeh to touch base with Tim S on form
Work Groups	Work Group Progress Reports <ul style="list-style-type: none"> a. Phantom (10 min) b. Backscatter (10 min) c. Sound Speed (10 min) d. Attenuation (10 min) 	AS - Each WG take an action item for standardization

Closing	Closing remarks/discussion (AS - 2 min)	
NEXT CALL	Date: March 4, 2022 Time: 11:00am, EST	

MW – Phantom ID and image data should be saved on the systems or exported offline into a safe place for each participating site; date should be kept somewhere secure at each site

TP – can use google forms, one for each vendor

TS – Phantom WG

- Prototype phantom and lollipop test samples from CIRS have been poured and shipped to Ivan at UW – Madison
- The prototype phantoms that were tested at RSNA have been shipped to MGH for further testing with additional scanners
- Complete description of phantom handling procedures

TT – Backscatter WG

- Manuscript (led by Keith Wear)
 - Comments received on first draft
 - Extension granted to 3/31 by Radiology
 - Question on authors
- Attenuation compensation
 - Roberto creating a draft of the strategies for attenuation compensation (and to be incorporated into Radiology paper)

TP – Sound Speed WG

Measurement Protocol/Spreadsheet

- SoS Imaging Manual in Progress
- Saline coupling agent instructions

Manuscript Status

- Figures uploaded to Basecamp for group review
- Final section (technical sources of variability) in progress
- Note to Radiology editor

VK – Attenuation WG

Update

- Received response from (3/10) vendors providing center frequency and bandwidth used in their devices
 - A reminder to the vendors who have not yet shared the information with us
 - No conclusion made yet
- Prepared and discussed draft for phantom study protocol
- Need to form consensus on the ROI depth. An initial plan has been formulated but needs further discussion and approval of the committee
- Need opinion on gathering reference phantom data

Action Items

- Consensus on reporting attenuation value
- Form consensus on ROI depth and finalize the phantom study protocol

AS – Agenda item for discussion at the next meeting – include additional extreme depth measurements