Meeting Name: WG-01/12 Joint Meeting

Meeting Place/Dial In: GoToMeeting

Date & Time: February 8, 2021, 10:00AM ET

Presiding Officers:
- Univ. of Utah School of Medicine: Bruce Bray, Chair (WG-1 and 12)
- Siemens Healthineers: Antje Schroeder, Chair (WG-1)
- Cablon Medical: Sander Dekker, Chair (WG-12)

Voting Members Present:
- American College of Cardiology: Bruce Bray
- American College of Radiology: Shekher Maddineni

Voting Members Absent:
- Agfa HealthCare Inc.: Paul Seifert
- American College of Cardiology: Bruce Bray
- American Society of Nuclear Cardiology (ASNC): Peter Tilkemeier*
- Cablon Medical B.V.: Sander Dekker
- Canon Medical Systems USA, Inc.: Kevin O'Donnell
- Chartwise Medical Systems: Jon Elion*
- European Society of Cardiology: Nico Bruining*
- GE Healthcare: Gopi Pattaswamy
- GE Healthcare: Steven Nichols
- Hitachi Healthcare Americas: Ravi Managuli
- Siemens Healthineers: Jan-Ulco Kluivwastra
- Philips: Ruud van Silfhout*
- PixelMed Publishing: David Clunie*
- Seno Medical Instruments, Inc.: Bryan Clingman*
- Siemens Healthcare GmbH: Antje Schroeder

DICOM Secretariat/MITA
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1. OPENING ITEMS
   - Call to order: The meeting was called to order.
   - NEMA Antitrust rules and DICOM Patent Policy were read.

2. REVIEW AND APPROVE AGENDA
   The agenda was reviewed.

3. REVIEW MINUTES
   The minutes of the previous meeting were reviewed, will be considered approved if do not hear back.

4. TOPIC ITEMS TO BE DISCUSSED
   - Quality/Physics Topics
     - Next topics from these:
     - AAPM Quality Assurance Elements status update
     - 1975 and 1951-review of implementation outreach
     - Members to the status of current CPs re: AAPM topic:

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<thead>
<tr>
<th>Number</th>
<th>Name</th>
<th>Submitted</th>
<th>Affects DICOM Part</th>
<th>Assigned</th>
<th>Coded Status</th>
<th>Comments/Actions for WG-1 and WG-12</th>
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<td>Dekker</td>
<td>3</td>
<td>Solomon</td>
<td>2-assigned</td>
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**Cardiac topics, link here:**
https://docs.google.com/spreadsheets/d/16Ndb_dKlVzYDfEwWHWuAgJr-yvcl2sFYLx65XshJERc/edit#gid=95478215

1950 (Kevin O’Donnell-Strain)- Had a change in the number. There was a request for clarification for a few things. Time to peak and standard deviation portion are straightforward, and seem to be built on methods for global longitudinal strain.

Concern from a member that it might be too complicated to have actual values. 18 segment model preferred. Research from Oslo-Christina Alga for research on dispersion. Jim Thomas to reach out on this issue.

**Action:** Request from vendors on what they would prefer re: dispersion, time to peak strain-report out 18 segment, or 4-5 apical segments.

- (Atrial items will be next-expansions to cover).
- LV- longitudinal strain is specified- individual and average value.
- RV strain- basically copies the LV version. Most things are there for that.

**Action:** Confirm with Kevin.

- Atrial-need to confirm Rwave and Pwave contraction and for RWave triggered/PWave triggered.

Next steps: should be able to put these together in a package. **Action:** Confirm with Kevin O’Donnell on change proposal. Group member supported moving forward. Another question is comprehensive, pre- or post-coordinated, combinations-radial, circumferential, twist, 3D, etc. for next effort.

Additional topics in strain for later: LV-Radial, circumferential.

Propose precoordinated measures for bolded above.

**Action:** Review during March 8 call and finalize items for 1950 for WG-6.

Next possible additional topics:
- Dispersion
- Measurements-apical strain
• Additional Proposals (Kevin O’Donnell):
  o Estimated Fetal Weight Discordance-
  o Shearwave Elasticity-

• Additional potential topics
  o New valve disease guidelines. Additional missing measurements?
  o Tags
  o Review IHE document when available

5. OLD BUSINESS/NEW BUSINESS- New topic: -Question on FFR (fractional flow reserve) measurement in coronaries. Is this topic covered in the DICOM standard? Will have to review the standard.

  Action for Carolyn Hull: Add to the agenda for next meeting. May also be linked to CT or X-Ray.

6. DATE AND TIME OF NEXT MEETING

Monday, March 8, 2021, 10:00AM ET

ADJOURNED: at 10:45AM ET.