

## Minutes

<b><u>MEETING NAME</u></b>	WG-01/12 Joint Meeting: Strain/Cardio/Eco Topics	
<b><u>MEETING PLACE/DIAL IN</u></b>	<a href="https://global.gotomeeting.com/join/626192869">https://global.gotomeeting.com/join/626192869</a> United States: +1 (312) 757-3119 - One-touch: <a href="tel:+13127573119,.626192869#">tel:+13127573119,.626192869#</a> Access Code: 626-192-869 International numbers in the meeting invitation and DICOM calendar	
<b><u>DATE &amp; TIME</u></b>	Monday, August 17, 10:00AM ET	
<b><u>PRESIDING OFFICERS</u></b>	Univ. of Utah School of Medicine Siemens Healthineers Cablon Medical	Bruce Bray, Chair (WG-1 and 12) Antje Schroeder, Chair (WG-1) Sander Dekker, Chair (WG-12)
<b><u>VOTING MEMBERS PRESENT</u></b>	Click here to enter text. Cablon Medical Canon Medical Research USA Hitachi Healthcare Americas Northwestern Memorial Hospital Philips Siemens Healthineers Siemens Healthineers SuperSonic Imagine Univ. of Utah School of Medicine 12)	Sander Dekker, Chair (WG-12) Kevin O'Donnell Ravi Managuli Jim Thomas Earl Canfield Antje Schroeder, Chair (WG-1) Jan-Ulco Kluiwstra Damien Lerat Bruce Bray, Chair (WG-1 and
<b><u>VOTING MEMBERS ABSENT</u></b>	Agfa American Society of Nuclear Cardiology (ASNC) Chartwise Medical Systems European Society of Cardiology Harvard Medical School LightLab Imaging, Inc.	Paul Seifert*  Peter Tilkemeier* Jon Elion* Nico Bruining* Gary Tearney* Joel Friedman*

## OTHERS

### DICOM SECRETARIAT

Carolyn Hull

#### 1. OPENING ITEMS

- Call to order: The meeting was called to order.
- NEMA Antitrust rules and DICOM Patent Policy: The reviewed the Guidelines for Conducting NEMA Meetings were reviewed.

#### 2. REVIEW AND APPROVE AGENDA

The agenda was reviewed.

FYI- will now be splitting up Cardiac and AAPM physics topics.

#### 3. REVIEW MINUTES

Please review 7-20-20 minutes for next time.

#### 4. TOPIC ITEMS TO BE DISCUSSED

- **Strain-**
  - **Left Ventricle Global-** Kevin O'Donnell to send CP to WG-6 in first week of August
    - **Action: CH check back**
  - **Right Ventricle- Action:** Jan-Ulco Kluiwstra to check with technician.
    - Global v. Free wall – rows 39 and 40 -
  - **Left Atrium -8** measures to look through- discussion of triggers.
    - **Reservoir**
    - **Conduit**
    - **Contraction**
    - **Dispersion**-Tracking quality
    - **Apical strain index**
  - **Left Ventricle-** (using endo v. full wall?)

- **Global Longitudinal**
- **Strain percentage**
- **Segmental** (Trying to get codes mapped in for these)-  
discussion of 18 v. 17 segments
  - **Dispersion index-**
  - **Apical strain index**

**Action:** Circulate through vendors—depends on us getting these together. Check with vendors on LV and RV- Testing group- to ask the question. Engagement within the companies. Person within the trenches. both 18 and 17 Segments. Eventually circulate through vendors.

**Question:** What is the best way to get feedback from vendors? How do we actually go about getting feedback on topics—which ones they use and which are represented?

- Individual CPs- **Action for CH:** check with WG-6 after the call on whether need to be separate CPs or chunk.
- One point of this is to put this into a database. Common pre-coordinated items. On DICOM side, making sure to standardize the encoding. Standardize the practice. Qibawiki.rsna.org.
- For WG-6 meeting: **Action:** CH get answer from WG-6 on whether it should be multiple CPs or a large WI.

Display LUT Status update

Other tags on the AAPM proposed attributes list

- **Lead:** Sander Dekker, Dr. Lu and others from AAPM
  - **Status:** On hold until Display LUT, PixelMap and Transducer S/N projects have been completed, however, continued research should continue.
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- **Status:** This is on hold until the survey is complete.
  - **Note: The below notes are from the 2019-11-25 update from Dr. Liu. These are left in this agenda to help the WG remember the key points and action items.**
  - The AAPM Ultrasound Committee made a list and presented to DICOM WG12 a year ago. Great progress has been made. She thanked WG12, particularly Harry Solomon for his help on this task.
  - AAPM TG-316 is working to determine methodology for the ultrasound presentation consistency that will need: 1) DICOM GSDF compliant scanner monitors; 2) Digital

ultrasound images in P-values to be sent to PACS; 3) Built-in test patterns on ultrasound scanners for performance verification and quality control testing.

- IEC TC87 WG9 plans to add an amendment to IEC/TS62736 that describes testing methods for diagnostic ultrasound imaging systems.
- At the Oct 2019 IEC TC87 WG9 meeting, ultrasound vendors pushed back because the current ultrasound scanner displays were not DICOM GSDF compliant. Will impact their production.
- She received feedback at IEC meeting, only 1/5 vendors in agreement with this commitment
- IEC SC62b WG51 is working on a new technical standard on Medical Imaging Display in General (IEC62563-2) that will set the performance criteria. Ultrasound is one of the modalities and should be included in the consideration of that standard.

**5. Next steps as listed from the last tcon on 2019-11-25:**

- a) A good value statement is needed.
- b) A statement that is consumable by end user, the non-technical side of the vendors
- c) Dr Lu will work on value statement and AAPM task group reports and their timeline is to have the reports ready by the end of 2020
- d) Dr. Bray will try to go back and review the presentation
- e) Dr. Lu will create a short version to emphasize the value and a cardiac example

**6. OLD BUSINESS/NEW BUSINESS**

**7. DATE AND TIME OF NEXT MEETING**

Monday, September 21, 10:00AM ET- Physics topics

Monday, October 19, 10:00 AM ET- Strain/Cardiac

Monday, November 23, 10:00AM ET

**ADJOURNED: at 11:00 AM ET**

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**SUBMITTED BY**

Carolyn Hull

**SUBMITTED ON**

9/10/20

**LEGAL APPROVAL**

Peter Tolsdorf, 9/14/20

**UPLOAD LOCATION**

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