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***Minutes-tcon***

**WG-07 Motion Management of**
**DICOM Working Group Seven**
**(Radiotherapy)**
June 17, 2019

| Present | First Name | Last Name | Organization | Voting Status |
|---|---|---|---|---|
| Present | Jim | Beck | Accuray | Alt. Voting |
| Present | Bob | Pekarek | Accuray | Voting |
| Present | Christof | Schadt | Brainlab AG | Voting |
| Present | Jim | Percy | Elekta | Alt. Voting |
| Present | Stuart | Swerdloff | Elekta | Voting |
| Present | Harold | Beunk | ICT | Observer |
| Present | Ulrich | Busch | N/A | Voting |
| Present | James | Zug | Reflexion | Observer |
| Present | Bruce | Rakes | Mevion Medical Systems | Voting |
| Present | Luiza | Kowalczyk | MITA | Voting |
| Present | Stefan | Boman | RaySearch Laboratories AB | Voting |
| Present | Scott | Hadley | University of Michigan | Observer |
| Present | Thomas | Schwere | Varian Medical Systems | Alt. Voting |

**Presiding Officers of WG-07 MM** Stuart Swerdloff & Bob Pekarek, Co-Chairs

**Meeting folder:**
ftp://medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/Wg07/WG07-MM/2019/2019-06-17/

## 1. Opening

1. The meeting started at 10:00 a.m. USA ET.
2. The agenda was reviewed and acknowledged.
3. The antitrust rules have been reminded.

4. The minutes of the previous meeting were reviewed and approved.

## 2. Sup XXX Motion Management Objects

- The document was discussed, reviewed, and compared to Sup 160 Patient Positioning and Workflow. Please refer to the documents for technical details.
- ftp://medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/Wg07/Sup/OtherSup/SupNN6_MotionManagement
- ftp://medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/Wg07/Sup/

## 3. Next Meetings

- Luiza to send a doodle poll to schedule next call.

## 4. Adjournment

- The meeting adjourned at 11:00 US ET

Submitted by Luiza Kowalczyk, DICOM Secretary
Reviewed by Clark Silcox, Legal Counsel, August 15, 2019.

Attachment

**Use Cases for Motion Management**

**1. None**

Actors: none
Type of signal: none
DICOM support required: no

**2. Compression**

Actors: compression plate or body mask
Type of signal: none
DICOM support required: no

**3. Breath Hold**

Actors: spirometer, timer
Type of signal: gating
DICOM support required: yes

Description: In automatic breath holding, the spirometer measures the volume of air inhaled and when the desired volume is reached, sends a signal to begin the breath hold. The time to hold the breath after the desired volume is reached is set by the operator. The enable gating signal during treatment delivery is from the breath hold timing system, not from the spirometer.

**4. Gating**

Actors: pressure sensor
Type of signal: amplitude surrogate
DICOM support required: yes

**5. Rescanning**

Actors: none

Type of signal: none
DICOM support required: no

**6. Phase Rescanning**

Actors: pressure sensor
Type of signal: amplitude surrogate
DICOM support required: yes

**7. Implanted Fiducial and Fluoroscopy**

Actors: flat panel imager, x ray tube,
Type of signal: gating
DICOM support required: yes

Note: Position is calculated based upon image of fiducial, gating signal

Submitted by Luiza Kowalczyk, DICOM Secretariat
Reviewed by counsel: CRS, May 3, 2019.