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MINUTES

DICOM WORKING GROUP SEVEN (RADIOTHERAPY)

Meeting Location	Virtual	
Dates and Times	July 5, 2023	9:00 – 13:00 EDT
Presiding Officers	Christof Schadt, Co-Chair Jim Percy, Co-Chair	
Secretary	Shayna Knazik, MITA	

Participants

Company/Organization	Represented by	
AAPM	Walter Bosch	X
AAPM	Bruce Curran	X
Accuray	Bob Pekarek	X
Brainlab	Christof Schadt	X
Elekta	Jim Percy	X
IBA	David Wikler	X
Mevion	Bruce Rakes	X
MITA/DICOM	Shayna Knazik	X
Varian	Kari Jyrkkälä	
Leo Cancer Care	Mike Courtney	X
Leo Cancer Care	Dan Farber	X
Mevion	David Holst	X
	John Hayes	X
RaySearch	Marcus Bergman	X

Details

Call to Order at 9:03am EDT

Administrative

- Introductions, identified participants.
- Reviewed NEMA anti-trust rules and DICOM Patent Disclosure Policy

Generic patient support

1. Where to store additional PPS parameters?
 - a. CT Image
 - b. Enhanced CT Image
 - c. Other
2. Coordinates/codes for representation of patient positioning parameters?
 - a. Patient anatomy relative vs. Gravity relative
 - b. Relation of patient to device is already supported in DICOM under IEC 61217
3. Draft CP-RT-236 (Add RT Equipment and Plan Reference to CT Images) was discussed. The Patient to Equipment Relationship Sequence includes Image to Equipment Mapping Matrix.
4. Positioning / Scan parameters discussed:

An additional registration of the imager to the fixed room was discussed in addition to the imager to the fixed room registration. This allows to express a different pitch angle of the imager than the angle of the backrest of the seat.

Treatment Plan/Record Parameters

Two additional CPs were discussed, on top of RT236:

- **ACTION** for Christof: Remove “old” concepts from Patient Setup Sequence and include parameters from Treatment Preparation Module by using the new macro, defined in scope of CP RT236.
- **ACTION** for Bruce R.: Codes for patient positioning parameters in
 - TID 15302 Patient Support Position Parameters, for parameters that are part of the Image to Equipment Matrix (such as the table backrest)
 - CID 9573. Patient Treatment Preparation Device for parameters that are part of the setup (such as the arm rest)

Next call on this topic: August 2, 2023 from 9am-1pm EDT

Call adjourned at 11:30am