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MINUTES

Ion Therapy Subgroup of
DICOM WORKING GROUP SEVEN (Radiotherapy)

Teleconference

Date and time: December 11, 2020 | 9:00-11:00am US ET

Presiding Officers: Michael Moyers, User Co-Chair
David Wikler, Industry Co-Chair

Secretariat: Shayna Knazik, DICOM/MITA

Voting Members Present	**Represented by:**
DICOM/MITA	Shayna Knazik
Elekta	Jim Percy, Alt. Voting
IBA	David Wikler
RaySearch Laboratories	Staffan Engdahl
Shanghai Proton and Heavy Ion Center	Michael Moyers
Varian Medical Systems, Inc.	Kari Jyrkkälä, Alt. Voting

Voting Members Not Present	**Represented by:**
*AAPM	Bruce Curran
*Brainlab, AG	Christof Schadt
*Elekta	Stuart Swerdloff
*Massachusetts General Hospital	Hanne Kooy
*Medical Image Standards Association of Taiwan	Jack Hsiao
Mevion Medical Systems	Bruce Rakes
*University Hospital Wuerzberg	Michael Neumann
Varian Medical Systems, Inc.	Perttu Niemela

*Not present at two consecutive meetings and therefore not counted for quorum during this tcon

Others Present	**Represented by:**
None	

1. **Administrative**
    - Welcome and roll call: the teleconference was called to order and a quorum was present.
    - Antitrust and patent rules were reviewed.
    - The agenda was reviewed and approved.
    - The minutes from 2020-10-23 were reviewed and approved**.**

2. **Update on Teams channel for collaborative work of the Ion Subgroup**
    - The group continues to test the Teams channel that Shayna set up for the Ion Subgroup, since the Teams channel that WG-07 uses has been working so well. Michael reported that he has an issue connecting to the actual Teams channel outside of a scheduled meeting.
    - Action: Shayna will schedule a test meeting with Michael before the next call to investigate further.

3. **Update on WG-07 December Virtual Meeting**
    - Sup160 is ready for Public Comment.
        - The document title changed from "RT Patient Treatment Setup IOD" to "RT Patient Treatment Preparation"
        - Can a RT Patient Treatment Preparation IOD be used for recording?
            - This is a point to follow-up on with advice from WG-07.
    - Sup213 is close to being ready for Public Comment. WG-07 needs to review the changes requested by WG-06.
    - Sup215: WG-07 discussed the last edits from the Ion subgroup to get feedback.
    - CP about high resolution contours discussed with WG6 (stereotactic treatments)
        - Optimal selection for resolution of segments
    - RT course scope discussion

4. **Update from WG-07 Motion Management Subgroup**
    - The Motion Management Subgroup has been inactive for some time because Co-Chair Stuart Swerdloff has been on sabbatical. Stuart is back now and Shayna is working with him and Bob Pekarek to get a call organized in January 2021 so the group can reconvene.

5. **Chair Headrest Position to be added to Sup215 TID (SUB160T01 Patient Setup Device Parameters)**
    - The group discussed the Chair Headrest Position to be added to Sup215 TID (SUB160T01 Patient Setup Device Parameters).
    - Is it possible to describe situations where the back rest has an angle (leaning back or forward)?
        - 2G does not use table-top angles anymore but a 4x4 matrix describing the orientation of the patient coordinate system within the equipment
        - Additional codes can be added when necessary through CPs. A company developing a seated treatment device will propose parameters specific to their device.
    - Distance and Pitch Angle are required (distance is used, pitch angle is rarely used), label is not required.
        - Other parameters are rarely prescribed as absolute positions and are set manually with relative positions.
        - A chair can sometimes be attached to a table.
        - Could the table top pitch angle be reused for the chair as it would be a different device item in the sequence?
            - No because it could be the same device.
        - The definition of the base coordinate system for the pitch angle is an issue as the table-top is no longer used.

- Ask advice from WG-07

6. **Supplement 215**
   - The group continued to resolve open issues and comments within version 21 the Sup215 draft.
   - Jim will work on the to do items and the group will review at the next meeting.
   - Integration of the chair parameters CID is Annex D and in TID.
   - A new reference location attribute specific to the accessory and distinct to the device has been added as advised by WG-07.
   - Do we need to add a RT beam modifier distance in addition to the slot distance for MLC?
     - No clear answer so far.
   - Codes for treatment technique (or class)
     - WG-07 recommended the inclusion of any specific way of planning as this could be useful to the user (display) or other system.

7. **Next Meetings**
   - **Next T-con: Friday, January 22nd, 2021 @ 9-11am US EST**
     - Action: Shayna to schedule next call
     - Action: Shayna to schedule a 15 minute call with Michael to test Teams.
   - **Dial-in information:** Will be posted in the DICOM Calendar, which is available 24/7
   - **Next In-person meeting:** TBD
   - Other relevant DICOM meetings
     - DICOM Standard Committee (DSC): TBD
     - WG-06 Base Standard: January 11-15, 2021

8. **Adjournment:** The meeting was adjourned at 10:55am US ET.

Prepared and submitted by Shayna Knazik

Reviewed by Counsel 1/29/2021