<p style="text-align:center">IHE-RO Technical Committee Conference Call
May 19, 2022
10:30 am – 11:50 pm ET</p>

<p style="text-align:center">Technical Committee Chairs:
Scott Hadley, PhD, University of Michigan
Jon Treffert, RaySearch</p>

Mission Statement: *The American Association of Physicists in Medicine American Society for Radiology Oncology (AAPM) supports a multi-society Task Force to undertake an initiative to promote the Integration of the Healthcare Enterprise (IHE) – Radiation Oncology (RO), fostering seamless connectivity and integration of radiotherapy equipment and the patient health information systems. The Task Force will include members from ASTRO, RSNA, AAPM, the American College of Radiology (ACR) and the Medical Imaging and Technology Alliance (MITA). In addition, members of the international community have also been invited to participate in IHE-RO. The IHE-RO Task Force, in close collaboration with radiotherapy product manufacturers, will develop appropriate integration profiles for radiation therapy and setup a demonstration of seamless communication among the full array of radiotherapy products.*

Attendance

Jon Treffert (Raysearch)
Jill Moton (AAPM)
Walter Bosch (Wash U)
Harold Beunk (Demcon)
Jim Percy (Elekta)
Bruce Curran (AAPM)
Jeffery Lewis (Accuray)
Stefan Boman (RaySearch)
Scott Hadley (UMich)
Thomas Schwere (Varian)
Bruce Rakes (Mevion)
Sanjay Bari (Elekta)
Tucker Meyers (Epic)

Minutes

I. Call to Order at 10:33am ET

II. Review Agenda
    a. A quorum was present

III. Review Minutes
    a. Minutes from the Apr 21, 2022 IHE-RO TC Teleconference were reviewed and approved without objections.

IV. BQAW status update
    a. Thomas Schwere reviewed rev. 0.13 of the BQAW Profile draft with the group.
    b. The profile now supports both DICOM DIMSE and RESTful storage services as Options. Five Actors are defined: Planning Data Provider, Planning Analysis Performer, Delivery Data Provider, Delivery Analysis Performer, BQAW Data Store. The content of the assessment results are to be specified in the Profile.
    c. Two DICOM IODs are used
        i. Key Object Selection Document IOD – includes DICOM object references and KOS template
        ii. RAW Data IOD – used to encapsulate proprietary log data. Use Referenced RT Plan Sequence to reference RT Plans to be analyzed.
        iii. Content Assessment IOD – contains results of assessment
    d. QA Activity is conveyed by KOS Document Title
    e. Questions raised in discussion:
        i. Encoding of requests
        ii. How to communicate status of QA request, e.g., malformed KOS?
        iii. How are results linked to request?

      f.   Thomas will upload the Profile draft to the Box share for TC review.

V.   ROTH status update
    a.   Scott Hadley reviewed work to identify ROTH use cases. These include re-treatment, in-system transfer, continuity of care, clinical trial/registry submission, and system upgrade/data archiving. For each use case, the required data elements have been identified. Most data are DICOM, some FHIR/HL7 may be included.
    b.   A Manifest will be needed to be identify data elements and the relationships among them.
    c.   Further work at the July 2022 face-to-face meeting.

VI.   Face to Face meeting (AAPM, July 13-16, Washington, DC)
    a.   Who will be attending – in-person/remote?
        i.   ~8 first day, ~6 subsequent days
        ii.   Plan to have hybrid Zoom meeting.
    b.   (Late) AAPM registration requirements/process
        i.   Contact Jill Moton by Friday, May 20.
    c.   Agenda suggestions

VII.   Fall Connectathon (in-person at AAPM)
    a.   Profiles to be tested
        i.   BRTO-II: 3
        ii.   MMRO-III: 3
        iii.   TPPC: 2
        iv.   TDW-II: 4
        v.   DRRO (informal)
    b.   Participation
        i.   Varian, RaySearch, Elekta, Accuray, Mevion expect to participate
        ii.   Others were not present.

VIII.   Next PC Presentation: QRRO (June)

IX.   Adjournment at 12:07pm ET