

Joint Meeting between IHE-RO technical committee and a Chinese standard initiative group led by Prof. Ming CHEN of Sun Yat-sen University Dept of Radiation Oncology

10/30/24 10:00am EDT

Attendees

Peter Balter (MD Anderson CC)
Sanjay Bari (Elekta)
Walter Bosch (WashU)
Bruce Curran (VCU/VA)
Bruce Rakes (Mevion)
David Holst (Raysearch Labs)
David Wikler (IBA)
Guotao Fu (BIMT)
Chunying Jiao (BIMT)
Jim Percy
Jingjie Zhou (United Imaging)
Li Chen (SYSUCC)
Liwu Zuo (United Imaging)
Marcus Bergman (Raysearch Labs)
Ming Chen (SYSUCC)
Richard Vögele (Brainlab)
Thomas Schwere (Varian)
Scott Hadley (UMich)
Xiao Gu (United Imaging)
Ulrich Busch
Yifeng Wang (United Imaging)
Yili Luo (United Imaging)
Shaojun Ye (SYSUCC)
Jill Moton (AAPM)

BIMT: Beijing Institute of Medical Device Testing
SYSUCC: Sun Yat-sen University Cancer Center

Minutes

1. Call to order at 10:10am EDT
2. Introductions
 - a. Chinese standards group (Jingjie Zhou)
 - i. Sun Yat-sen University Dept of Radiation Oncology in Guangdong Province is a leading RO hospital in China and in the world.

- b. IHE-RO representatives (David Wikler)
- 3. Research Project Presentation (Prof. Ming CHEN)
 - a. Background
 - i. Sun Yat-sen University Dept of Radiation Oncology in Guangdong Province is a leading RO hospital in China and in the world.
 - ii. This is a very large center with 16 linacs, treating >17,000 patients/year. Proton and carbon therapy to be added next year.
 - iii. Need recognized for interoperability between all devices of the RO department. More specifically, between OIS and every treatment delivery device, even if it requires another OIS
 - iv. User wants to make sure interoperability is provided for each machine they will buy. Need to be ready for 59 proton therapy systems, plus carbon centers in China in a few years.
 - v. OIS does not provide interfaces to all new technologies product. Example: New HyperArc Varian Linac does not interface to MOSAIQ.
 - b. Project Timeline: 3 years from 01 Jan 2024 to 31 Dec 2026
 - i. Purpose of project is to provide easier integration of devices in a large, busy clinic such as SYSUCC that treats more than 100 patients per linac per day.
 - ii. Intent is to harmonize with international standards to develop an open standard for interfacing with OIS.
 - iii. Ready to use DICOM and IHE-RO guidelines but want to develop specific chinese guidelines adapted to busy RO clinics in China
 - iv. Prof. Chen has had recent meetings with Elekta about these issues.
 - c. Role of United Imaging
 - i. Help to organize discussions to align the Chinese initiative and SMRT to avoid conflicts in
 - 1. Mandatory/optional transactions
 - 2. Content
 - 3. Technology
 - ii. United Imaging to reach out to other Chinese vendor to collect comments and feedback
- 4. Comments by the group
 - a. Agreement on desire for further collaboration.
 - b. Prof Chen does not see contradictions between international standards and chinese standards developments. Guidelines can evolve in clinical treatments and can be the same thing between RT devices. Prof Chen states that it is still important for China to develop specs focusing on issues specific to their clinics.
- 5. Next Steps

- a. Extend TDW-II and/or adopt new technologies for part of all SMRT transactions
 - b. The issue in IHE-RO TC is reaching a consensus among vendors.
 - c. Next step is a survey (of vendors) about what technology is most likely to reach a consensus among vendors for SMRT. This survey is being drafted by Sanjay Bari and is to be reviewed at the next IHE-RO TC meeting.
6. Meeting adjourned at 11:16am EDT