

Report on Japan Activities

Hiroshi Sakamoto / JSRT

Masao Murata / JAHIS

Shinichi Nakano/ JIRA

Apr.19th, 2022

DSC

Agenda

1. JIRA – DICOM committee
Sub W/G Updates
2. JAHIS - DICOM WG
3. JSRT - Medical Informatics Section
4. IHE Japan
Connectathon 2022

- **SWG-01** (follow CPs, Sups)
 - **CPack-114: Voted with 3 comments**
 - CP2146 Procedure Codes
 - CP2157 Add Treatment Site Code To RT Plan
 - CP2159 New Interlock Codes
 - **CPack-115: Voted with 4 comments**
 - CP1196 Add Phantom Specific Total DLP Values
 - CP2135 add Acquisition Entity And UID
 - CP2140 Add information for virtual film printing
 - CP2151 Add Baseline CIDs To RT Structure Set
 - **CPack-116: Just started**



- **SWG-01** (follow CPs, Sups)
 - **Sup223: No comment**
(REPOSITORY QUERY, INVENTORY IOD, AND RELATED SERVICES)
 - **Sup225: Voted with comment**
(Multi-Fragment Video Transfer Syntax)
"Number of fragments and identify of fragments should be defined."
 - **Sup213: Voted**
(Enhanced RT Image)
 - **Sup227: No comment**
(Ultrasound Elastography Structured Report)
 - **Sup209: Just started**
(Revision of the DICOM Conformance Statement)

JIRA – DICOM cmte

- SWG-02 (propose CPs, Sups)
 - Sup230 (Update IETF BCP195)
 - Sup204 and 206 has been incorporated into PS3.15 B in DICOM 2018d (JIRA's proposed).
 - In the Sup230, collaborated with WG14, we'll propose retire B9, B10 and B11 and add B12 and B13 including Japanese requirements (updated).

#1 CP2211 (Add RPLD(*) Glass dosimeter to Radiotherapeutic Dose Measurement device)



#2 CP2148 (Clarify audit trail messages)

- WG-14, Editorials, Audit trail message in PS3.15
- CPack-117

*: Radio-Photo Luminescence glass Dosimeter

- SWG-02 (propose CPs, Sups)

- #3 CP1636 (Examples of Specific Character Set in Worklist)

- To avoid mislead the way to use Specific Character Set (0008, 0005), PS3.2 should be modified.
 - Ex. B.6 Support Character Sets
 - Add typical use case in Chinese Person Name (PN) - Pinyin (roman) and/or Hanzi (ideographic) in China using GB18030 or GB2312.

- #4 Add multiple Dose Indexes in TID10002

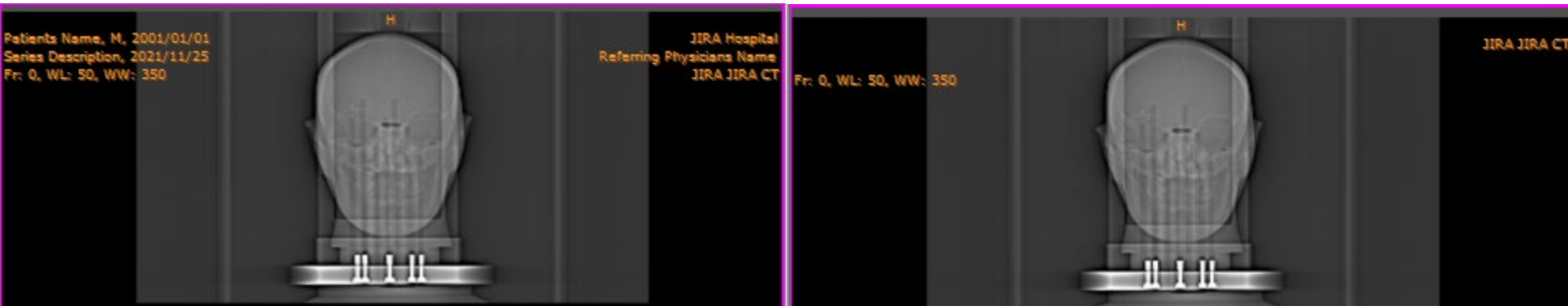
- Investigating typical Use Cases in Dental study.



Any other editorial items...

JIRA – DICOM cmte

- SWG-06 (create De-Identified data sample)
 - Goal
 - Disclose sample data in the JIRA's web page
 - Done
 - Creation de-identified data set (only basic profile) based on PS 3.15 E^(*1) and JESRA^(*2) guidance (TR-0045-2018).
 - Update an internal rule book to a designated numbering an UID for de-identification.



Before

After

*1: DICOM 2021d, *2: Japanese Engineering Standards of Radiological Apparatus

- SWG-07 (seminar)
 - DONE
 - Advanced course (DICOM Update 2021)
 - #1 (Update) General DICOM, Basic SR
 - #2 (Update) Radiation Dose SR (X-Ray/CT)
 - #3 R-RDSR / P-RDSR / Enhanced RDSR
 - #4 Latest some Sup(s) info(s) and others
 - Many responses from survey (>70%)
 - Can refine contents against highlight items on DICOM
 - via COVID-19
 - Hybrid courses meet to both vendor and user requirement
 - New issues. (Ex: prepare mp4, store big file, admin stuffs)
 - PLAN for FY2022
 - Newbie course (first half (later spring))
 - Advanced course (second half (winter))



- SWG-08 (education)

- Done

- Annual meeting of the JSRT - Medical Informatics Section
 - Title: What can do now and what is the limitation of dose management
 - @Yokohama (Apr.15th, 2022)



- Scheduled

- Medical Informatics for local user
 - Title: Data management in Radiation Therapy
 - @Kanagawa (Jul.9th, 2022)



- Routine activity

- Investigate & Vote : CPs, Supps
- Share the information about DSC, WG-13, 14, 26, etc. with JAHIS members

JAHIS is working with JIRA to propose a security profile in WG14.

JRC2022 in YOKOHAMA

The 78th JSRT= Hybrid Event

Symposium

「Future Forecast of Radiation Technology by Technological Innovation」

- Environment of Medical Informatics and the Changes Needed for the Radiology Department.
- The Potential of Technologies to Innovate Radiology Services.
- Changes in the Environment Surrounding Medical Information and Initiatives in the Medical Field.
- Seeking Future Hospital Utilizing Cloud and Mobile Computing.

Standardization Forum

「Quality Assurance and Standardization for Radiological Equipments and Devices of Medicine -Discuss Based on JIS Drafts Deliberated in 2021-」



JRC2022
Radiology – A key for the paradigm shift
未来への潮流と変革

Date April 14 (Thu) ~ 17 (Sun), 2022

Venue PACIFICO YOKOHAMA, Japan

the 81st Annual Meeting of the Japan Radiological Society
President Takamichi Murakami Kobe University

the 78th Annual Meeting of the Japanese Society of Radiological Technology
President Junji Shiraishi Kumamoto University

the 123rd Scientific Meeting of the Japan Society of Medical Physics
President Teiji Nishio Osaka University

JIRA Held at the same time
ITEM2022 The International Technical Exhibition of Medical Imaging 2022
April 15 (Fri) ~ 17 (Sun), 2022

JRC Japan Radiology Congress (JRC)
<http://www.jrc.org>
Japan Radiology Congress (JRC), composed of members from four societies: the Japan Radiological Society (JRS), the Japan Society of Radiological Technology (JSRT), Japan Medical Imaging and Radiological Systems Industries Association (JMIRA), and the Japan Society of Medical Physics (JSPM), organizes the annual academic assembly with the concurrent International Technical Exhibition of Medical Imaging (ITEM) in April every year.

Medical Informatics Section for 2022

Educational Lecture

「What Can do Now and What is the Limitation of Dose Management」

JIRA Akihiro YOMODA

39th Medical Informatics Division

「Standard Dataset for Dose Management」

- Information Linkage in **CT** Examinations Aiming for Further Heights of Dose Management
- What are Data Items Required for **IVR** Dose Management in Clinical Practice
- Dose Management in **Nuclear Medicine**: Its Practical Use and Problems



JRC2022
Radiology – A key for the paradigm shift
未来への潮流と変革

Date April 14 (Thu) ~ 17 (Sun), 2022

Venue PACIFICO Yokohama, Japan

the 81st Annual Meeting of the Japan Radiological Society
President Takamichi Murakami Kobe University

the 78th Annual Meeting of the Japanese Society of Radiological Technology
President Junji Shiraishi Kumamoto University

the 123rd Scientific Meeting of the Japan Society of Medical Physics
President Teiji Nishio Osaka University

JIRA Held at the same time
ITEM2022 The International Technical Exhibition of Medical Imaging 2022
April 15 (Fri) ~ 17 (Sun), 2022

JRC Japan Radiology Congress (JRC)
<http://www.prc.org/>
Japan Radiology Congress (JRC), composed of members from four sponsoring organizations: Japan Radiological Society (JRS), the Japan Society of Radiological Technology (JSRT), Japan Medical Imaging and Radiological Systems Industries Association (JMIRA), and the Japan Society of Medical Physics (JSMP), organizes the annual academic assembly with the concurrent International Technical Exhibition of Medical Imaging (ITEM) in April every year.

- Connectathon 2022
 - Oct.17-21, 2022 @Asakusa
 - Vendor Workshop#1
 - May.12th (half day)
 - First profile testing
 - ITI ATNA

Report on Japan Activities

JSRT : Japan Society of Radiological Technology

JAHIS : Japanese Association of Healthcare
Information Systems Industry

JIRA : Japan Medical Imaging and Radiological
Systems Industries Association

