

Report on Japan Activities

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Dec.3rd, 2021

DSC@T-Con

Agenda

1. JIRA – DICOM committee
Sub W/G Updates
2. JAHIS - DICOM WG
Updates
3. JSRT - Medical Informatics Section
Updates
4. IHE Japan
Connectathon 2021

- SWG-01 (follow CPs, Sups)
 - CPack-112: Done
 - CPack-113: Voted with 1 comment (CP2119)
 - Sup225: Done (Multi-Fragment Video Transfer Syntax)
 - Sup209: Done with 11 comments
(Revision of the DICOM Conformance Statement)

- SWG-02 (propose CPs, Sups)
 - #1 CP2148 (Clarify audit trail messages)
 - WG-14, Editorials, Audit trail message in PS3.15
 - #2 Add multiple Dose Indexes in TID10002
 - Investigating typical Use Cases in Dental study.
 - #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.


JIRA – DICOM cmte

- SWG-06 (create De-Identified data sample)
 - Goal
 - Disclose sample data in the JIRA's web page
 - Now
 - Confirmed with “before” de-identified data based on PS 3.15 E and JESRA(*) guidance (TR-0045-2018).
 - Each values will be “after” dummied as a data sample.
 - Value of an each UID starts with JIRA's number assigned.

Group	Element	Description	VR	Size	Value
0008	0050	Accession Number	SH	24	SWG-06_Accession Number
0010	0010	Patient's Name	PN	22	SWG-06_Patient's Name
0010	0020	Patient ID	LO	18	SWG-06_Patient ID
0010	0021	Issuer of Patient ID	LO	28	SWG-06_Issuer of Patient ID
0010	0030	Patient's Birth Date	DA	28	SWG-06_Patient's Birth Date
0010	0040	Patient's Sex	CS	20	SWG-06_Patient's Sex
0010	1002	Other Patient IDs Sequence	SQ	FFFFFFFF	(Sequence Data)
0010	1010	Patient's Age	AS	20	SWG-06_Patient's Age
0010	1020	Patient's Size	DS	22	SWG-06_Patient's Size
0010	1030	Patient's Weight	DS	22	SWG-06_Patient's Weight

before → **after**

```
dummyPN into Zero  
dummyPID123 into Zero  
dummyStDesc.  
dummySeDesc.  
dummyImgComment
```



*: Japanese Engineering Standards of Radiological Apparatus

JIRA – DICOM cmte

- SWG-07 (seminar)

- PLAN

- Focus on RDSR (**Update 2021.**)

- General DICOM, Basic SR

- Radiation Dose SR (X-Ray/CT)

- R-RDSR / P-RDSR / **Enhanced RDSR**

- Latest some Sup(s) info.

- Online

- Date, Fee

- Jan.28th, 2022. USD 30-70.

Medical Care Act Implementing Regulation has been effected on Apr. 2020. Hospital has responsible maintain safety management of radiation dose.

- SWG-08 (education)
 - Done JIRA Workshop (Joint project with JSRT)
 - Title: Current Status of Dose Information Management in Medical Practice - Efforts by Manufacturers and Users
 - @Kumamoto (Oct.15th, 2021) + online
 - Contents
 - from Vendor
 - #1: [DICOM RDSR – Attributes of estimation of radiation dose](#)
 - #2: Difference from Irradiation and Exposure
 - from User
 - #1: Current status of radiation dose management in Medical site
 - #2: Dose Information Management system using MWM in Medical Site
 - [Scheduled](#)
 - [JIRA Workshop in 2022 \(@Yokohama\)](#)

JIRA – DICOM cmte

JIRA 医療現場における検査情報管理の現状
～メーガ病院およびユーザー側の取り組み～

2024年10月16日開催と並びく予定するためのタスクの進捗

2024年10月16日開催
2024年10月16日開催
2024年10月16日開催

1 00:12

この研究発表の内容に関する利益相反事項は、
ありません

発表者 野村 一也
野村 一也
野村 一也

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8. アンチ散乱線X-Ray RDSR
9. まとめ

3 00:53

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4 00:49

放射線科のサブシステム開発状況

システム名	開発状況	担当者
放射線科のサブシステム	開発中	野村 一也
放射線科のサブシステム	開発中	野村 一也
放射線科のサブシステム	開発中	野村 一也

5 01:02

画像 / SR / RDSR

画像 / SR / RDSR
画像 / SR / RDSR
画像 / SR / RDSR

6 01:28

(参考) RDSR 導入のメリット

- 1. DICOM RDSRの導入
- 2. DICOM RDSRの導入
- 3. DICOM RDSRの導入
- 4. DICOM RDSRの導入
- 5. DICOM RDSRの導入
- 6. DICOM RDSRの導入
- 7. DICOM RDSRの導入
- 8. DICOM RDSRの導入
- 9. DICOM RDSRの導入

7 01:01

放射線科の発生と特徴

- (1)放射線科
- (2)DICOM MPPS
- (3)DICOM 画像アーカイブ
- (4)DICOM RDSR
- (5)放射線科の発生と特徴

8 01:24

放射線科の発生と特徴

- (1)放射線科
- (2)DICOM MPPS
- (3)DICOM 画像アーカイブ
- (4)DICOM RDSR
- (5)放射線科の発生と特徴

9 00:07

DICOM RDSR

DICOM RDSR
DICOM RDSR
DICOM RDSR

10 00:58

放射線科の発生と特徴

放射線科の発生と特徴
放射線科の発生と特徴
放射線科の発生と特徴

11 02:05

CT Radiation Dose

CT Radiation Dose
CT Radiation Dose
CT Radiation Dose

12 01:14

X-Ray Radiation Dose

X-Ray Radiation Dose
X-Ray Radiation Dose
X-Ray Radiation Dose

13 01:15

RDSR 主要ディレクトリ

RDSR 主要ディレクトリ
RDSR 主要ディレクトリ
RDSR 主要ディレクトリ

14 01:11

X-Ray RDSR

X-Ray RDSR
X-Ray RDSR
X-Ray RDSR

15 00:48

アンチ散乱線X-Ray RDSR

アンチ散乱線X-Ray RDSR
アンチ散乱線X-Ray RDSR
アンチ散乱線X-Ray RDSR

16 00:56

アンチ散乱線X-Ray RDSR

アンチ散乱線X-Ray RDSR
アンチ散乱線X-Ray RDSR
アンチ散乱線X-Ray RDSR

17 01:01

アンチ散乱線X-Ray RDSR

アンチ散乱線X-Ray RDSR
アンチ散乱線X-Ray RDSR
アンチ散乱線X-Ray RDSR

18 00:46

アンチ散乱線X-Ray RDSR

アンチ散乱線X-Ray RDSR
アンチ散乱線X-Ray RDSR
アンチ散乱線X-Ray RDSR

19 00:37

まとめ

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20 00:52

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

「M.I Section Webinar plan for 2021」

😊 Evening Webinar

2022/Jan/18

Continuing lectures of basic and recent DICOM

😊 30th PACS Specialist Seminar

2021/Dec/19

Continuing lectures of BCP



**The 78th JSRT
= Hybrid Event**

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 (JIRAI), 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 2021

- Oct.25-29, 2021 @Asakusa

- 2nd Hybrid (Onsite + Online(VPN + Rocket Chat))
 - 1st FHIR testing (PDQm)

- Participant

- 32 systems (20 vendors)



- Connectathon 2022

- Oct.17-21, 2022 @Asakusa

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

