

# Report on Japan Activities

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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-109: Voted
  - CPack-110: Voted with 1 comment
  - CPack-111: On going
  
  - Sup214: Voted with 15 comments (Enhanced RDSR ...)
  - Sup220: Voted (Prostate MRI SR)
  - Sup223: On going (Inventory IOD and Related Services)
  - Sup222: On going (Microscopy Bulk Simple Annotations ...)
  - Sup213: On going (2<sup>nd</sup> Gen. RT Image and RT Patient ...)

# JIRA – DICOM cmte

- SWG-02 (propose CPs, Sups)

- CP2020

Correct Directory Content Example in both PS3.10 and PS3.3

DICOM PS3.10 2019e - Media Storage and File Format for Media Interchange

DICOM PS3.3 2019e - Information Object Definitions

## A Example of DICOMDIR File Content (Informative)

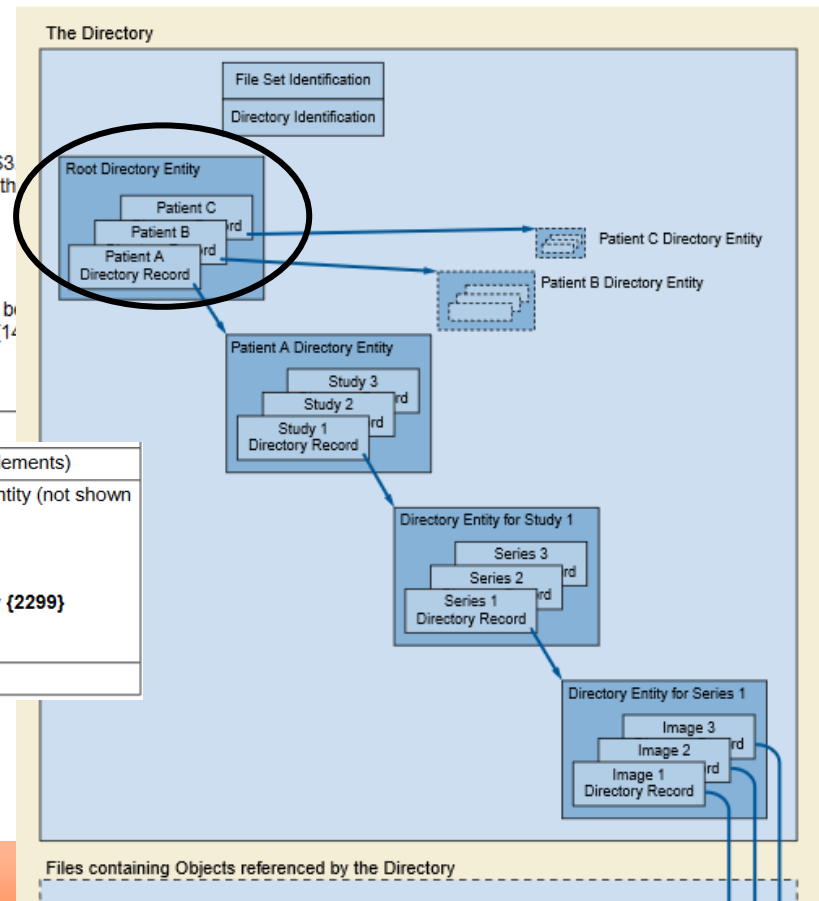
This Annex provides an example of a File content that is based on selected aspects of the example introduced in PS3 Directory Information Object. This is not a normative Annex. It is only an illustration, which is simply intended to help the understand the organization of a DICOM Directory stored in a DICOMDIR File.

### A.1 Simple Directory Content Example

Table A.1-1 shows in a simplified manner, the content of a simple DICOMDIR File. Values of elements are noted by brackets (e.g., [1.2.840.10008.34.7.6]). Byte Offsets are shown by symbolic Values noted between brackets (e.g., {14

Table A.1-1. Directory Content Example

|        | Meta-Info        | 128 bytes | File Preamble [all bytes set to 00H]   |
|--------|------------------|-----------|--|
| {1829} | Item Tag         | FFFE,E000 | Item Data Element (includes the following Data Elements)                       |
|        | Study 1          | 0004,1400 | Offset of the next Directory Record in Directory Entity (not shown in example) |
|        | Directory Record | 0004,1410 | Record In-use Flag [FFFFH]   |
|        |                  | 0004,1420 | Offset of Referenced Lower Level Directory Entity {2299}                       |
|        |                  | ...       |  |
|        |                  | 0004,1430 | Directory Record Type [STUDY]  |



- SWG-02 (propose CPs, Sups)
  - #1 update - CP1636
    - To guide the way to use Specific Character Set (0008, 0005) correctly, PS3.2 should be modified.
    - Collaborating Chinese engineer how they're using both Pinyin (ex. Li) and Chinese Kangi (ex. 李) for Chinese patient's name.
  - #2 new - Add multiple Dose Indexes in TID10002
    - Related with Sup214 – Enhanced RDSR
    - In a dental study, several imaging techniques such as Intraoral X-ray, Panorama, Cephalo and Dental cone beam CT. So each image may use one or more different Dose Indexes.
  - #3 new – Editorial
    - in PS3.15 (Audit trail) and PS3.17 (Patient RDSR)

# JIRA – DICOM cmte

- SWG-07 (seminar)

- RDSR Theme dedicated seminar

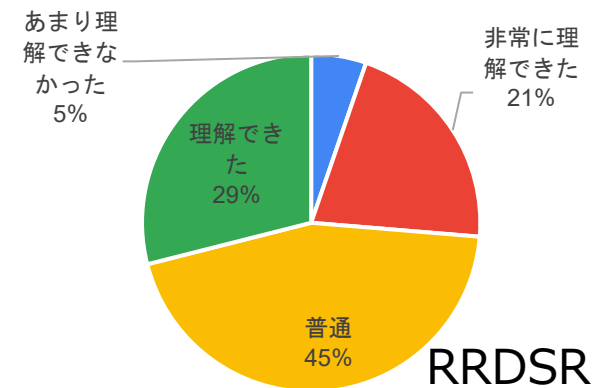
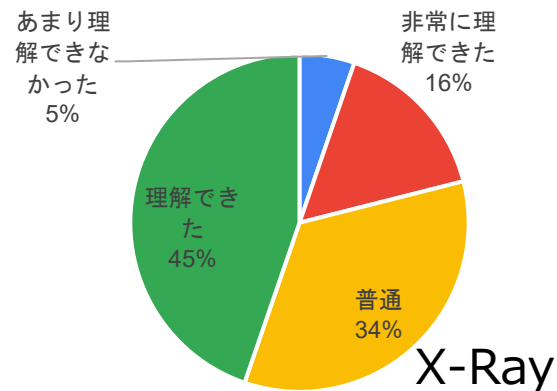
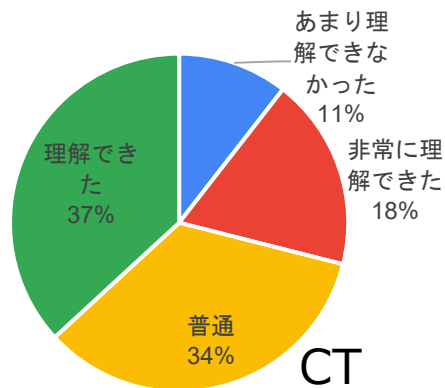
- General DICOM, Basic SR
- Radiation Dose SR (X-Ray/CT)
- R-RDSR / P-RDSR / CBCT

- Date, Fee

- Dec.18<sup>th</sup>, 19<sup>th</sup> 2020. USD 30-70.

- Survey (n=55)

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



Very Understand

Usual

Understand

Less Understand



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

# JSRT - Medical Informatics Division

## JRC2021

Milestones and Beyond



## 77th JSRT = **Hybrid Event**

- ◆ Medical Informatics Division Symposium  
「Healthcare System Management and Clinical Data Quality Control in the Age of AI」
- ◆ Educational Lecture  
「Study on Desirable Framework to Regulate Medical Device Utilizing AI for Accelerating Their Market Approval」
- ◆ Expert Subcommittee Lecture
  1. 「Operation Management and Troubleshooting of the Information system」  
Tohoku Univ HP Hiroataka Shimura
  2. 「The Integration Profiles for Artificial Intelligence」  
IHE-J Yasunari Shiokawa
- ◆ JIRA Workshop  
「The Crucial Point of PACS Replacement」  
JIRA Shinichi Nakano

**DATE** April 15 (Thu) – 18 (Sun), 2021

**VENUE** PACIFICO Yokohama, Japan

**JRS** The 80th Annual Meeting of the Japan Radiological Society

**JSRT** The 77th Annual Meeting of the Japanese Society of Radiological Technology  
**PRESIDENT** Hiroko Nishide (Gifu University of Medical Science)

**ISRT** **PRESIDENT** Nobuyuki Kanematsu (National Institutes for Quantum and Radiological Science and Technology)

**JIRA** ITEM2021 – The International Technical Exhibition of Medical Imaging 2021  
**DATE** April 16 (Fri) – 18 (Sun), 2021

**JRC** Japan Radiology Congress  
Japan Radiology Congress (JRC) composed of membership four societies: the Japan Radiological Society (JRS), the Japanese Society of Radiological Technology (JSRT), Japan Medical Imaging and Diagnostic System Research Association (JMAS), and the Japan Society of Medical Physics (JAMP), organizes the annual academic assembly with the concurrent international Technical Exhibition of Medical Imaging (ITEM) in April every year.

(Online & Offline)

**[WEB]** April 28 (Wed.) – June 3 (Thu.)

- Connectathon 2021

- Oct.25-29, 2021 @Asakusa

- Hybrid (Onsite + Online)

- New program: Connectathon seal (digital product) on the IHE Integration Statement

- Workshop

- May.14<sup>th</sup>

- IHE REM

- Established as a Japanese standard in Mar.2021

# 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

