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MINUTES

DICOM WORKING GROUP TWENTY EIGHT

(Physics)

Date: May 13, 2013

Place: Société Française de Radiologie
20, Avenue Rapp
75007 Paris, France

Presiding Officers: Annalisa Trianni and Donald Peck – Co Chairs

Secretary: Alberto Torresin (EFOMP)

Members Present

AAPM
EFOMP
Siemens Healthcare
Philips Healthcare
GE Healthcare
ACR

Represented by

Donald Peck
Annalisa Trianni
Heinz Blendinger
Revet Bas
Francisco Sureda
William Pavlicek

Members absent

AAOMRCEFLA Dentale
Toshiba (JIRA)

Representative

1. Preliminary Events

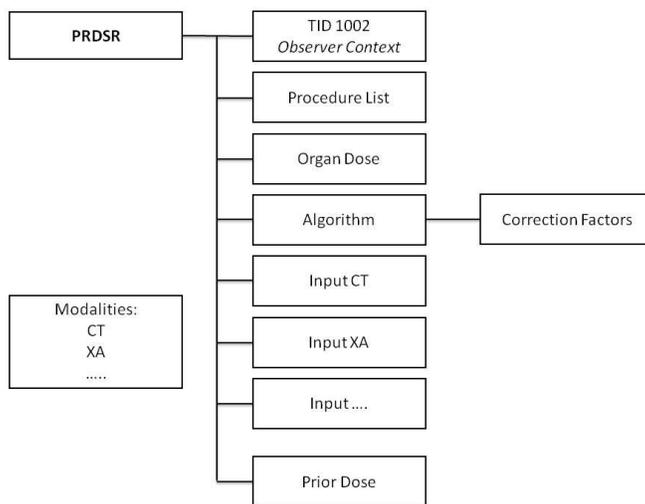
- The meeting was called to order at 09.15.
- Members identified themselves and their employers. A quorum was present.
- Members reviewed the antitrust rules.
- Members reviewed the agenda that was approved as such.

2. White Paper on Patient Dose determination from radiation exposures during diagnostic and interventional studies

- The activity concerning the preparation of the report is in progress; William Pavlicek reported about the activities of the AAPM TG246. Many European Medical Physicists are involved in the TG and EFOMP supports these activities
- AAPM and EFOMP will work on the White Paper for all the modalities (at present focused on Interventional and CT)
- The structure of the document was presented. Two draft outlines for the document have been prepared. The first document is focused on Patient Dose from Diagnostic Radiation in CT procedures and the second one on Patient Dose from Fluoroscopy and Interventional Procedures.

3. Dose SR extension to enable skin dose calculation in X-Ray Projection

- Organ Dose Estimation requirements have been discussed starting from the following schema:



- Members also worked on the preparation of the Extended Dose SR TREE for Projection XA. A draft version of the document should be prepared by October 2013.

4. Patient Dose SR

- The modality output factor must be defined and a preliminary draft document was discussed (see [DICOM_WG28_PDSR Base Info AAPM Meeting revisions.docx](#))

- Members worked on the document [Organ_Dose_Inputs_DICOM_02.xlsx](#) defining the information to be included in the Patient Radiation Dose SR. Some open issues will be addressed after the publication of the White Paper by AAPM TG246. The document [PRDSR_Supplement_training_document.doc](#) was discussed; in particular the topics described in the Chapter "Scope and Field of Application". The description of the workflow is different for hybrid modalities (PET/CT or SPECT/CT). In general we need to *define all the exam procedure steps*.
- The DICOM conformance statement will be requested from the different manufactures (**action: Annalisa Trianni**)

5. [CP Review](#)

No CPs related to the scope of WG-28 were discussed.

6. [Operator Dose SR Work Item](#)

No specific discussion on this topics. Operator Dose SR will be discussed during next meeting.

7. [Reports from liaisons with other groups and organizations](#)

- Donald Peck and Bill Pavlicek reported on the AAPM activities.
- Annalisa Trianni reported on the DICOM liaison group inside EFOMP.
- Heinz Blendinger reported on the IEC Interventional activities related to radiation dose reporting.

8. [Planned Meeting Dates in 2013](#)

- **October 28, 2013 (Joint Mtg with WG-02)** in *Berlin, Germany*.
- **December 2013 (RSNA)** in *Chicago, IL*. Room confirmation ongoing

9. [New Business](#)

- none

10. [Action Items](#)

- Co-chairs to prepare draft of the Template Relationship Chart for next WG-28 meeting.

Recorded by Alberto Torresin /EFOMP Secretary

Reviewed by CRS 2013-07-16