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| Description: Description: O:\LOGOS\DICOM\DICOM LOGO - MEDIUM.tif | **1300 North 17th Street, Suite 900 Arlington, VA 22209, USA**  **+1-703- 841-3281**  [http://dicom.nema.org](http://dicom.nema.org/)  E-mail: [**dicom@medicalimaging.org**](mailto:dicom@medicalimaging.org) |

# ***MINUTES***

## **WORKING GROUP TWENTY EIGHT (WG-28)**

## (Physics)

**Tuesday, November 27, 2018, 10.00-12.00 CST**

**RSNA, McCormick Place (Convention Center)**

**Chicago, IL**

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| **Presents** | **First Name** | **Last Name** | **Organization** | **Voting Status** |
| Yes | Nicholas | Bevins | AAPM | Voting |
| Yes | Shayna | Knazik | AAPM | Observer |
| Yes | Donald | Peck | AAPM | Voting |
|  | Ioannis | Sechopoulos | AAPM | Observer |
|  | Michael | Flynn | AAPM 2 | Voting |
|  | Dianna | Cody | AAPM/MD Anderson Cancer Center | Observer |
| On the phone | Bob | Pekarek | Accuray Incorporated | Observer |
|  | William | Pavlicek | ACR-Mayo Clinic Arizona | Voting |
|  | Allan | Farman | American Academy of Oral and Maxillofacial Radiology (AAOMR) | Voting |
|  | Veeratrishul | Allareddy | American Dental Association | Voting |
|  | Paul | Bralower | American Dental Association | Observer |
|  | Christof | Schadt | Brainlab AG | Observer |
|  | Fernando | Fernandes | Brazilian Private Hospital | Observer |
|  | Stephen | Meyer | Canon Healthcare Solutions | Observer |
|  | Andrew | Kuhls-Gilcrist | Canon Medical Systems USA, Inc. | Observer |
|  | Christy | Adams | Carestream Health, Inc. | Observer |
|  | Vasiliki | DeVries | Carestream Health, Inc. | Observer |
|  | Jay | Na | Carestream Health, Inc. | Observer |
|  | Frank | Dong | Cleveland Clinic | Observer |
|  | Michael | McNitt-Gray | David Geffen School of Medicine at UCLA | Observer |
|  | Stuart | Swerdloff | Elekta Inc. | Observer |
| On the phone | Alberto | Torresin | European Federation of Organizations for Medical Physics (EFOMP) | Observer |
| Yes | Annalisa | Trianni | European Federation of Organizations for Medical Physics (EFOMP) | Voting |
|  | Shigeru | Saotome | FUJIFILM Corporation | Observer |
|  | Robert | Uzenoff | FUJIFILM Medical Systems U.S.A., Inc. | Observer |
|  | Lionel | Desponds | GE Healthcare | Alt. Voting |
|  | David | Miller | GE Healthcare | Observer |
|  | Francisco | Sureda | GE Healthcare | Voting |
|  | Federica | Zanca | GE Healthcare | Alt. Voting |
|  | Arjen | Becht | Gelre Ziekenhuizen | Observer |
|  | Laura | Martinez Galiano | IBsalut - Health Services | Observer |
|  | Yoshito | Sugihara | J. Morita Mfg. Corp. | Observer |
|  | Thomas | Guiot | Jules Bordet Institute | Observer |
|  | Chris | Bope | KaVo Kerr Group | Observer |
|  | Douglas | Sluis | Laitek Inc. | Observer |
|  | Enno | van der Velde | Leiden University Medical Center (LUMC) | Observer |
|  | Steve | Langer | Mayo Clinic | Observer |
|  | Aaron Kyle | Jones | MD Anderson Cancer Center | Observer |
| Yes | Luiza | Kowalczyk | MITA | Observer |
|  | Lisa | Spellman | MITA | Observer |
|  | Antony | Carver | NHS (University Hospital Birmingham) | Observer |
|  | Andy | Rogers | Nottingham University Hospitals NHS Trust | Observer |
|  | Charles | Smith | Numa LLC | Observer |
|  | Mike | Battin | PACSHealth, LLC | Observer |
|  | Colby | Dillion | PACSHealth, LLC | Observer |
| Yes | Steve | Massey | PACSHealth, LLC | Voting |
|  | Daniel | Tuffelmire | PACSHealth, LLC | Alt. Voting |
|  | Sjirk | Boon | Philips | Observer |
|  | Mark | Pepelea | Philips | Voting |
|  | Pritham | Shetty | Philips | Observer |
|  | J. | Jeyaprabhu | Philips India | Observer |
|  | David | Clunie | PixelMed Publishing | Voting |
|  | Michael | Owens | RefleXion Medical | Observer |
|  | Elisabeth | Nilsson | RTI Electronics AB | Observer |
|  | Mark | Supanich | Rush University Medical Center | Observer |
|  | Heinz | Blendinger | Siemens Healthcare GmbH | Voting |
|  | Markus | Lendl | Siemens Healthineers | Observer |
|  | Hildur | Olafsdottir | Spectralis | Observer |
|  | Stephen | Vastagh | Standards Management Company | Observer |
|  | Yuan | Fang | The Center for Devices and Radiological Health (CDRH) | Voting |
|  | Jennifer | Esposito | The Dartmouth Inst. for Health Policy and Clinical Practice | Voting |
|  | Eric | Gingold | Thomas Jefferson University Hospital | Observer |
|  | Stanley | Stern | U.S. Food and Drug Administration | Observer |
|  | Kevin | Junck | UAB Health System | Observer |
| Yes | Sander | Dekker | UltraiQ | Observer |
|  | Rex | Cardan | University of Alabama - Birmingham | Observer |
| Yes | Lawrence | Tarbox | University of Arkansas for Medical Sciences | Observer |
|  | Diego | Sanchez Riofrio | University of Barcelona | Observer |
|  | Haley | Clark | University of British Columbia/British Columbia Cancer Agency | Observer |
| Yes | Zheng | Feng Lu | The University of Chicago Medicine & Biological Sciences |  |
|  | John | Dooley | University of North Carolina | Observer |
|  | Stephen Brent | Dove | University of Texas Health Science | Observer |
|  | Allen | Goode | University of Virginia Health System | Observer |
|  | Paul | Kinahan | University of Washington | Observer |
|  | Natasa | Brasik | Unversity Hospital Vienna | Observer |
|  | Gary | Arbique | UT Southwestern Med Center | Observer |
|  | Ulrich | Busch | Varian Medical Systems International AG | Observer |
|  | Pei-Jan Paul | Lin | VCU Health | Observer |
|  | Emiliano | Spezi | Velindre Cancer Centre | Observer |
| Yes | Bruce | Curran | Virginia Commonwealth University | Alt. Voting |
|  | Lynne | Fairobent | N/A | Observer |
|  | Bas | Revet | N/A | Observer |
| Yes | Courtney | Morrison | Henry Ford Health System | Observer |
| Yes | Ingrid | Reiser | University of Chicago | Observer |
| Yes | Frank | Corwin | Virginia Commonwealth University | Observer |
| Yes | Emily | Marshall | University of Chicago | Observer |
| Yes | Kevin | Little | Ohio State University | Observer |

**Presiding Officers:** Annalisa Trianni, Co-Chair

Donald Peck, Co-Chair

**Secretary:** Shayna Knazik (AAPM)

### Preliminary Events

* Introductions
* Anti-trust rules review
* Reviewed, revised and approved an agenda.

### Review Current Work

* Members reviewed work related to the scope of WG-28.

### Radiation Dose Structured Reporting for Cone Beam CT (new supplement) to combine CR and X-Ray projection RDSR’s and current RDSR’s which are missing certain necessary components like beam geometry, more complete beam characteristics, addition of a frame of reference, and non-standarized output values.

* + MRI Supplement 210 for Paradigm Protocol Storage (new supplement)
* Members reviewed work related to the joint meetings with WG-02.

### XA Protocol Storage (new supplement)

### RDSR Informative Annex (new supplement) to add uses of DR and DX equipment.

### New Business

* Chairs discussed and finalized the WG-28 Report for November DSC meeting.
* AAPM Ultrasound Subcommittee requested to introduce an integration profile for quality assurance of ultrasound system performance and for management of ultrasound image protocols, inventory and sterility. Similar to the XA protocol storage and would include the transducer serial number, what mode was scanned on the patient, etc. Zheng Feng Lu will be added to the WG-12 roster and will add this item to the WG-12 call on December 3, 2018.
* Requested AAPM Support for DICOM WG-16 MR initiatives:
  + MR Protocol Storage
  + fMRI Paradigm Protocol Storage (i.e. Supplement 210)

### Adjourn

* Meeting adjourned at 12:05pm US Central.

Submitted by Shayna Knazik (AAPM), Secreaty of WG-28

Reviewed by Luiza Kowalczyk, DICOM Secretary

Reviewed by Clark Silcox, Legal Counsel: December 11, 2018.