



RDM – Radiation Dose Monitor New Features

Improved and simplified UI for users:

- **Justification:** The ability of selecting multiples comments in order to justify a dose alert
- **Reassignment:** The ability to assign or reassign a study to a performing physician
- **All studies exports can now be anonymized directly from the UI, facilitating exchange between institutions**

The image displays three screenshots from the Radiation Dose Monitor (RDM) application. The left screenshot shows a table of studies with columns for CT, DX, MC, PT/CT, RE, XA, Alert Dose, E (mSv), Total DLP (mGy.cm), Total DLP 16 (mGy.cm), Total DLP 32 (mGy.cm), IR Events, DLP w/acq (mGy.cm), CTDIvol w/acq (mGy), and Contrast Product. A pop-up window shows an alert message and a list of comments for selection. The middle screenshot shows a patient profile with fields for Age, Sex, Height, Weight, BMI, Anet. Region, Total Eff. Dose, Total DLP, Total DLP 32, IR Events, DLP w/acq, and CTDIvol w/acq. The right screenshot shows a 'Reassign study to physician' dialog box with a search filter and a list of physicians.

Collection of additional DICOM fields for better management of patient dosimetry:

- Addition of fields like compression force / pressure / contact area and radiographic magnification factor allow for a better optimization of image quality in order to get a clearer vision of breast structures.
- Estimation of the incident linear exposition with the Exposure Index that allow the optimization and standardization of studies procedures (multiples modalities for the same procedure) through Target exposure index and Deviation index.
- Collection of the Anode Target Material, Collimated Field Size, FOV Dimension that allow the optimization of acquisition protocols.
- Introduction of a new indicator in CT: Iterative reconstruction level (ASIR, SAFIRE, ADMIRE, iDose, etc.)
- Separation of the radiographic and fluoroscopic values per tube in order to optimize examination protocols and ensure better professional practices in interventional radiology



RDM, powered by our partner MPTronic.



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