The new features of the DACS solution

RADIATION DOSE MONITOR (RDM)

a. Dashboard analytics:
   New RDM tool for interactive, fast and customizable statistical analysis:
   - Patient dose data (visualization of possible radiation protection problems coming from a modality, drifts in procedures, etc.).
   - Data related to the facility’s service (number of patients, distribution of requests, waiting time between each patient, etc.).

b. Calculation of the effective dose for all modalities:
   - Calculation of the effective dose in conventional and interventional radiology, mammography, scanner, and nuclear medicine, as well as for hybrid modalities (PET-CT, SPECT-CT).
   - Calculations that respect the recommendations established to protect patients from radiation (including the recommendations of the ICRP).
c. Patient at isocenter in scanner:
New feature that assesses the patient’s centering during the examination, reinforcing good professional practices. (A patient shift with respect to the isocenter may influence the dose).

NEW TECHNICAL FEATURES

- Single sign-on authentication (SSO): A method that allows a user to access multiple computer applications by performing only 1 authentication.

- RDM Connection to the Enterprise Master Patient Index (EMPI): A solution to bring patient identities closer together for a complete dose synthesis per patient.

- Improvement of the dose data collection module through PACS: Now, in addition to collecting dose reports in RDSR format and secondary capture, data can also be collected from the DICOM header in a more fluid and efficient way.

SOME KEY NUMBERS SINCE 2015

Number of modalities connected to RDM since 2015

Number of studies collected since 2015

![Graph showing the increase in the number of studies collected from 2015 to 2018]

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