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SYNAPSE[®] dose
FOR THE MANAGEMENT AND MONITORING
OF RADIATION DOSE

Supports hospital compliance with EU directive 2013/59/EURATOM



SYNAPSE[®]
dose

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SUPPORTING CLINICIANS IN MANAGING THE RISKS OF IONISING RADIATION TO PATIENTS.

FEATURES

● VENDOR NEUTRAL

Inter-operable with all radiology systems (RIS, PACS). Complies with UK market standards (DICOM, HL7).

● MULTI DISCIPLINARY TEAM

Supports the decision-making process of the wider team (doctors, physicists, radiology clinicians, medical management, clinical engineers), ensuring a high degree of flexibility with user profiling.

● OPTIMISATION OF DIAGNOSTIC QUALITY

Visual correlation of the dosimeter indices and comparison of the equipment to optimise the acquisition procedures in compliance with the ALARA principle and with reference to the Diagnostic Reference Levels (DRL).

● ALERT SYSTEMS

Automatically set and generate fully customisable alerts based on specific events.

● PRINT AND EXPORT

Print and export all data and reporting documents for the patient's dosimetric history.

● EXTRACTION OF INFORMATION

- RDSR (Radiation Dose Structured Report)
- DICOM header of images
- OCR (Optical Recognition Character) analysis of the Dose Ratio
- MPPS (Modality Performed Procedure Step)

● MULTIPLE DISPLAY OPTIONS FOR DATA

- Scatter Time Plot
- Scatter Age Plot
- Distribution of Acquisition Type
- Age/ Gender Distribution
- Scan Length Distribution (for CT exams)
- Breast Thickness Distribution (for mammography exams)
- Distribution of the Compression Force (for mammography exams)
- CTDIvol Distribution
- Total Distribution (specific Dosimetric Index) per study
- Interquartile analysis of the dosimetric index by study description, protocol, age and target region.

