



Patient Dose Care - Complete Radiation Dose Monitoring

RDM – Radiation Dose Monitor

RDM is your essential tool for reducing dose. For patient health and safety, it is imperative for facilities to track all diagnostic, interventional and image-guided surgical ionizing events for its patient population.

Meets Euratom/2013/59 Directive in the EU

RDM is a comprehensive software solution designed for medical professionals to effectively collect, control, analyze, and optimize patient doses during medical imaging exams, image-guided surgeries, interventional procedures, and nuclear medicine.

All collected data is securely stored in the Dose Archiving and Communication System (DACS). RDM is compatible with every type of imaging modality and PACS from any manufacturer, making it a versatile tool for radiologists, technologists, radiology directors, medical physicists, and other dose management professionals.

Featuring a web-based architecture, RDM provides seamless access across your Wide Area Network (WAN), ensuring that critical dose information is always within reach.

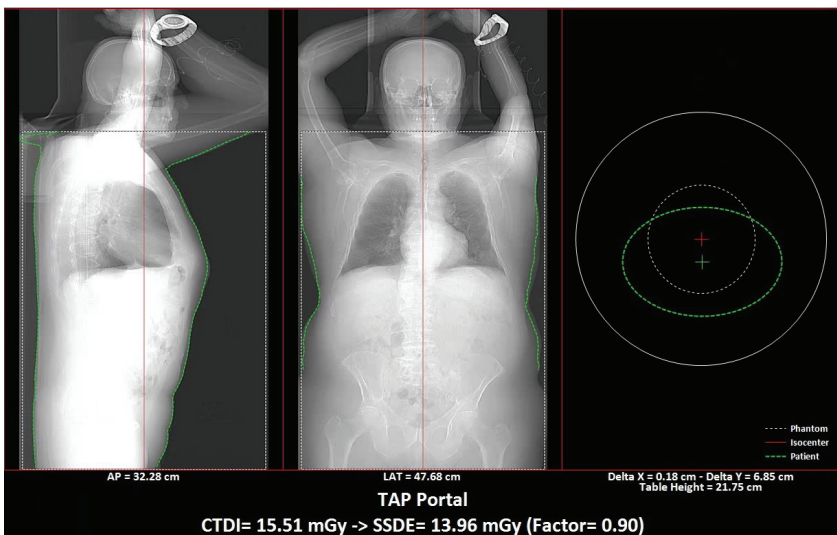


CONTROL: Real-Time Monitoring/Dose Alert System

- Display all information relating to patients, examinations and acquisitions.
- Advanced alert systems based on (national and local) Diagnostic Reference Levels (DRL) allows for real-time monitoring of examinations. Automatic alert mail notifications based on your criteria.
- Dedicated screen for tracking alerts and finding their causes.
- Incidence map for intervention radiology.
- Instant access to patient dose history prior to the exam.
- Advanced pediatric dose management.
- Specific management of high-risk patients.
- Multi-criteria search by institution, protocol, procedure, equipment, date range, physician, technician, etc.
- Attach any file or image to the patients record or study.
- Creation of search filters by population type.
- Re-evaluation of the CTDI according to the patient's SSDE.

ANALYZE: Improve Your Practices

- Display distribution of dose values according to exam type, identify examinations deviating from the reference values.
- Identify all procedures and protocols which help reveal anomalies and which ones could require improvement.
- Track the course of doses delivered to patients over time.



RDM, powered by our partner MPTronic.

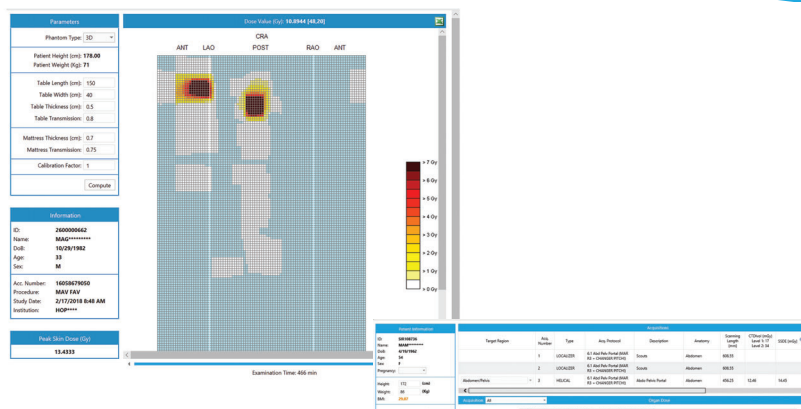
309 Laurelwood Rd. Suite 20
 Santa Clara, CA 95054
 sales@sstgroup-inc.com

Sales Support: 800.944.6281
 Outside US: 408.350.3450
 Fax: 408.350.3100

Patient Dose Care

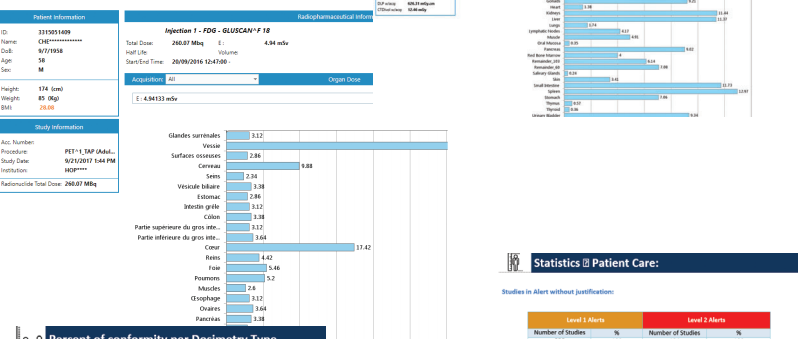
ANALYZE: Improve Your Practices (continued)

- Assess the level of compliance of your practices.
- Assess your professional practices.
- Keyword tag by medical indication (heart disease, oncology, etc.)
- **Peak Skin Dose (PSD):** Full Automatic reference dose exposure calculation and mapping of the PSD with a 2D or 3D graphic presentation. Display of a certain point in time during exam using time scale.
- **Organ Dose:** Nuclear Medicine and CT
- **Effective dose:** For all Modalities
- **MR data collection:** Total SED , Max. SAR.



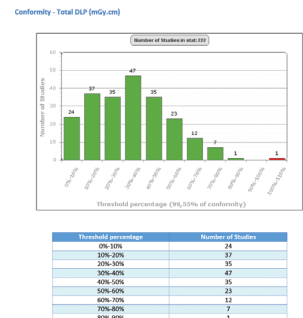
OPTIMIZE: Assessment & Optimization of Practices

- Complete export of all screen data and dose analysis reports in PDF, Word or Excel format.
- **Pivot table:** Create custom tables to facilitate interpretation and relevance of dose data. Export results into Excel with one click.
- Automatic transfer of reports to HIS, RIS, PACS, etc.
- Custom call to RDM from your IT systems (HIS, RIS, PACS). - REST API and/or Web contextual call.
- **Comparison Module:** Advanced statistical tool enabling cross-data comparison. Comparison for up to four data sets.
- Real-time access to RDM web interface externally (internet/VPN) and internally (intranet).
- Collection of DRLs and automatic transmission to the national authorities.
- Patient ISO centering during CT procedures



Automatic Dose reporting:

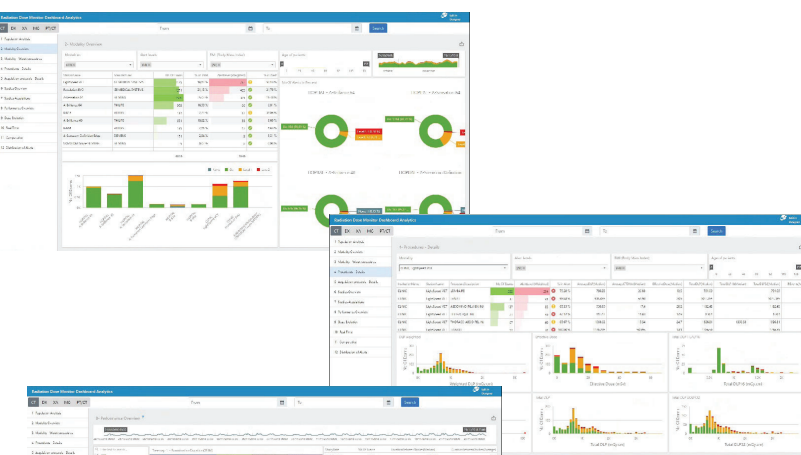
- Two Report types are available. Statistical report based on modalities and/or procedures.
- Patient report based on Patient demographics.



Threshold percentage	Number of Studies
0%	24
10%	37
20%	47
30%	35
40%	35
50%	23
60%	12
70%	7
80%	1

Powerful alert rules & distribution:

- Implementation of specific alerts regarding a patient and/or studies, including ability to show alerts over a specified time period, automatic email alerts.



Analytics Dashboard:

- 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.).