

CARE BETTER
MANAGE BETTER
SHARE BETTER

PROCEDURES
INFORMATION

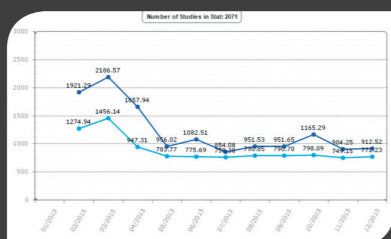
MACHINE SETTINGS

PATIENT
INFORMATION

DOSIMETRY DATA



	(2)	SCA80020
	(27)	4216047266
	(1)	3307039176
	(4)	SIR108736

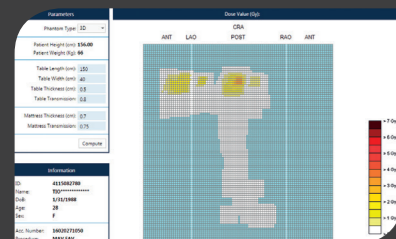


PRE-EXAM WARNINGS

Based on patient history and characteristics

ADVANCED STATISTICS

For detailed analysis



PEAK SKIN DOSE

To evaluate the need for secondary therapy

Address	Value
Head	1104
Neck	1104
Thorax	1104
Abdomen	1104
Extremities	1104
Genitalia	1104
Other	1104

ORGAN DOSE

For use in computed tomography, and interventional and nuclear medicine

Alerts - Study level:		
General Information:		
For a total number of 1845 Studies, there were 324 level 1 alerts and 97 level 2 alerts.		
	Level 1 Alerts	Level 2 Alerts
Total number of Studies	Number of Studies	Number of Studies
411	324	87
Male	265	62
Female	159	25
Average Age	56.73	56.21
Median Age	50	50
Woman	159	25
Average Age	56.73	56.21
Median Age	50	50

AUTOMATED REPORTS

Easily track user-defined metrics for reporting and analysis



Dose&Care is a software application which can be integrated into the imaging centre workflow.

Dose&Care records and presents X-ray exposure data and provides a set of tools to document and analyse this information.

Dose&Care is for use by medical imaging and diagnostic health professionals, in particular radiologists, radiographers, medical physicists and personnel responsible for X-ray security and imaging centre administration.

Dose&Care can connect to the centre information system (including PACS, RIS, HIS) or imaging devices and accessories (scanners, X-ray tables, interventional tables, etc.) using DICOM and HL7 communication standards.

Dose&Care collates data into a centralised repository and presents X-ray dose history for each patient, with options to display the information graphically and numerically, and in the form of effective dose (following ICRP 60 and ICRP 103 publications), DLP, CTDI, CTDIvol and SSDE.

For comprehensive information and optimal utilisation of Dose&Care, please refer to the User's Manual.

Dose&Care is a Class I/CE medical device.

Legal Manufacturer: MPTronic (Paris, France)

Distributor: Guerbet Laboratories Ltd, Avon House, 435 Stratford Road, Shirley, Solihull, B90 4AA

Tel: 0121 733 8542
www.guerbet.co.uk



www.dosencare.com

ABBREVIATIONS

- ALARA - As Low As Reasonably Achievable
- CTDI - Computed Tomography Dose Index
- CTDIvol - Volume Computed Tomography Dose Index
- DRL - Dose Reference Level
- DLP - Dose Length Product
- ICRP - International Commission on Radiological Protection
- KPI - Key Performance Indicator
- MPPS - Modality Performed Procedure Step
- RDSR - Radiology Dose Structured Report
- SC - Secondary Capture
- SSDE - Size-Specific Dose Estimates



Visibility
Time Saving
Reliability

PATIENT X-RAY DOSE MANAGEMENT SOLUTION

UK-DC-B-05-18



▶ **WANT CONSISTENT VISIBILITY** on dosimetry across all machines in the hospital?

▶ **SPEND TOO MUCH TIME** on data retrieval and regulatory compliance?

▶ **WISH FOR DETAILED AND USEFUL** dosimetry metrics that you can easily export and share?

▶ **NEED GREATER EFFICIENCY** when implementing best practice and patient care policies?



COLLECT DATA FROM ALL IONISING MODALITIES

BUILD COMPREHENSIVE AND CONSISTENT HISTORIES

Of patient exposure, with detailed dosimetry results, cumulative dose, patient characteristics (BMI or adverse reactions) and modality settings

RETRIEVE DATA FROM ALL IONISING MACHINES:

In particular, computed tomography, digital and conventional X-ray, fluoroscopy, angiography, interventional, mammography, nuclear medicine

A solution that is independent from modality vendors



COMPUTED TOMOGRAPHY



DIGITAL & CONV. X-RAY



INTERVENTIONAL



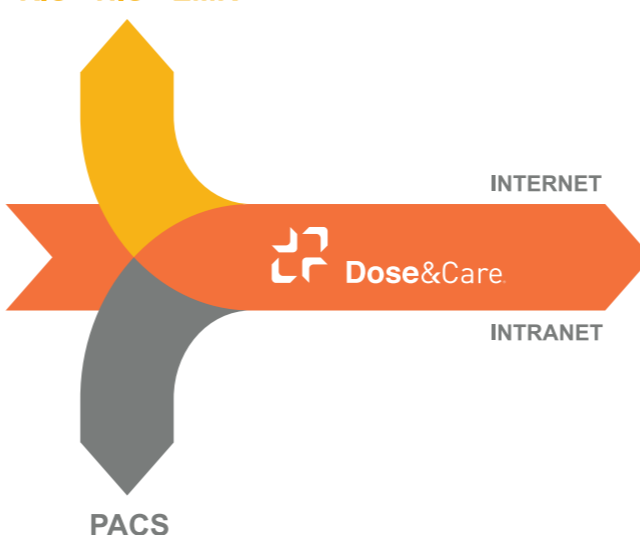
MAMMOGRAPHY



NUCLEAR MEDICINE

...

RIS • HIS • EMR



MEDICAL PHYSICIST



RADIOLOGIST



HEAD OF DEPARTMENT



RADIOGRAPHER

INTEGRATION CAPABILITIES

- DICOM RDSR
- DICOM Dose SC
- DICOM MPPS
- DICOM Header
- External dosimeter

CONNECTIVITY CAPABILITIES

- Automated sending of HL7 and DICOM RDSR dose reports
- Receipt of HL7 messages (fusion, update, etc.)
- Automatic downloads in DICOM for Query/Retrieval of patient dose history
- Customised data feeds of Dose&Care to and from IT systems (HIS, RIS, PACS)

MAKE FACTUAL DECISIONS

QUICKLY IDENTIFY YOUR BEST PRACTICES and those that need improvement

INVESTIGATE MULTIPERSPECTIVE DOSE INFORMATION including patients, services, protocols, modalities

AUTOMATICALLY EVALUATE EXAM QUALITY and benchmark against time, national reference levels (DRLs) and in-house objectives

COMPARE DOSE DATA across practices, modalities, users and services

TAILOR DOSE TO EACH PATIENT

ACCESS A COMPREHENSIVE PATIENT EXAM HISTORY with detailed exposure information

DETECT AT-RISK PATIENTS and review their upcoming exam according to their specific condition and dose history

DETERMINE THE OPTIMAL BALANCE between X-ray exposure and image quality according to patient profile (pregnancy, paediatrics, oncology patients, etc.)

IMPLEMENT AND MONITOR best practice policy (ALARA)

SHARE EASILY WITH ALL STAKEHOLDERS

QUICKLY CREATE LISTS and reports using multi-criteria searches

CONVENIENTLY EXPORT DATA into different formats (MS Excel, MS Word, PDF), to share, analyse and respond to authorities' requirements

RECEIVE ALERTS in case of abnormal exposure, provide explanations or notify authorities as required

SET UP AND RECEIVE AUTOMATED REPORTS with KPIs by e-mail

OBTAIN CLEAR ACTIVITY INSIGHT