

Automated Documentation in CT and MR



For MEDRAD® Stellant and
MEDRAD® MRXperion Injection Systems

Automated Documentation

By effortlessly capturing contrast and injection parameters along your workflow, Automated Documentation reduces the number of manual tasks and potential errors. It makes the right information available when needed, while complying with documentation requirements.



Automated Documentation offers greater peace of mind, so you can spend more time focusing on patient care.



Accurate

Scan barcode data quickly at the source to eliminate contrast transcription errors and to give you peace of mind.



Automated

Automatically propagate data to connected systems for fewer administrative steps and more time for patient care.



Accessible

Have contrast and injection details available effortlessly in the imaging workflow for less time on the phone and more focus on results.

Automated Documentation in Your CT and MR Workflow



1. PREPARE

Barcode Reader*

Scan the bottle's barcode and all contrast information, such as brand, concentration, lot**, expiry date** and vial volume, is documented and displayed.



2. PLAN

Modality Worklist

Patient demographics and study information are retrieved from the modality worklist and presented on one screen – including patient ID, name, gender, height, and more.



3. PERFORM

PACS Interface

The workstation combines contrast, patient and injection information into a secondary capture file, which is automatically sent to PACS.



4. REPORT

Speech Interface

Speech recognition interface can be configured to auto-populate contrast and injection details in the report, which are also visible in PACS as secondary capture.



5. BILL

RIS Interface

Injection contrast details can be conveniently and automatically sent to the relevant RIS.



6. MANAGE

Radimetrics Enterprise Platform

Contrast and injection information from multiple procedures can be compiled and used for statistical analysis, which can optionally be sent to a Radimetrics™ Enterprise Platform.

Benefits

- › Accurately captures data at the source
- › Helps meet documentation requirements
- › Accessible for reporting and billing
- › Less administrative steps and more time for patient focus

Benefits

- › Quick selection to match the procedure to the correct patient

Benefits

- › Helps save time from manual data entry
- › Contrast and injection details become part of the patient's PACS file
- › The information is accessible for reporting and quality management

Benefits

- › Saves time dictating and reviewing contrast details
- › Allows the correlation of injection parameters with enhancement levels in the images
- › Information in the report may assist with protocol optimization

Benefits

- › Accurate invoicing of contrast-enhanced procedures can be streamlined if a billing system is connected to the RIS

Benefits

- › Helps identify abnormal injections that were aborted or repeated for future corrections
- › Allows for root-cause analysis to reveal possible reasons for abnormal injections
- › Helps identify measures to enhance reproducible image results and timely completion of exams

* Not available in all countries.

** Only with Bayer 2D barcode contrast agents.



Benefits

Clinical

- › Capture iodine and gadolinium load, imaging fluid and contrast type in the patient record for patient management
- › View injection parameters to correlate with enhancement levels for protocol optimization or follow-up

Organizational

- › Access contrast information when and where you need it
- › Achieve standardized information flow and record keeping

Financial

- › Comply efficiently with contrast documentation requirements
- › Streamline correct invoicing of contrast usage where applicable

PREPARE

Contrast information captured*

- › Brand
- › Concentration
- › Vial Volume
- › Lot Number**
- › Expiry Date**

PLAN

Patient information captured

- Patient ID
- Patient name
- Date of birth
- Gender
- Height
- Accession number
- Study description
- Study unique ID

PERFORM

Injection parameters captured

- › Peak pressure and flow rate
- › Pressure limit
- › Total fluid (ml) and iodine (g)
- › Volume loaded
- › Volume used and remaining
- › Delay
- › Start and end times
- › Injector model

MANAGE

Parameters

- › Injection count
- › Repeat injections
- › IV issue count
- › Lost time
- › Atypical injections
- › Injection template deviations
- › Cumulative patient dose

* Pre-configured for Bayer contrast agents with 2D barcode.
** Only with Bayer 2D barcode contrast agents.

Software and Interfaces Ordering Information

Informatics Starter Package:
Barcode Reader* and Modality Worklist Access
(Catalogue Number: CWKS STARTER PKG)

PACS Outbound Interface:
Send Secondary Capture of Contrast Injection to PACS
(Catalogue Number: MIS PCS 105)

RIS Outbound Interface:
Send Contrast Injection Information to RIS
(Catalogue Number: MIS PCS 301)

Speech Recognition Outbound Interface:
Send Contrast Injection Information to Nuance Speech Recognition System
(Catalogue Number: MIS PCS 300)



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