Streamline Your Workflow with Automated Documentation

MEDRAD® Centargo
MEDRAD® Stellant
MEDRAD® MRXperion

Clear Direction. From Diagnosis to Care.

Workflow Solutions

Workflow Solutions is our suite of software offerings available for our family of MEDRAD® injection systems (Centargo, Stellant and MRXperion). They are designed to automate routine documentation tasks and advance personalized care. This allows all users to consistently utilize the potential of the injection systems to best serve their patients.

Workstation and barcode device for MRXperion and Stellant

Automated Documentation

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

Accurate

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

Automated

Modality Worklist – Automatically propagate data between connected systems for fewer administrative steps and more time for patient care.

Accessible

PACS Interface – Have contrast and injection details available effortlessly for image interpretation and reporting.

Automated Documentation to Streamline Your CT and MR Workflow

PREPARE

Smart ID[1]

Scan the bottle and all contrast information, such as brand, concentration, lot[2], expiry date[2] and vial volume, is documented and displayed.

//Automated Documentation

Benefits

- Accurately captures data at the source
- Documentation requirements[3,4,5,6] vary by country. Typical parameters include type and dose of contrast media
- Accessible contrast information for reporting, coding, and billing
- Less administrative steps and more time for patient focus

[1] Not available in all countries.

[2] Pre-configured for Bayer contrast agents with matrix code. Non-Bayer barcodes require one-time manual configuration and not all contrast information may be available when scanned.

PLAN

Modality Worklist

Patient demographics and study information are retrieved from the modality worklist and presented on one screen – including patient identifiers, accession number, study protocol, and more.

PERFORM

PACS Interface

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

Benefits

- Quick selection to match the procedure to the correct patient
- Helps save time from manual data entry[3]

[3] Strasdas, K., Kidambi S. Prospective Evaluation of Barcode Technology for Contrast Documentation

[4] Healthcubator, Market research study on contrast documentation requirements in 12 countries for Bayer, 2017

[5] ACR Practice Parameter For Communication Of Diagnostic Imaging Findings, 2014, p. 3.

[6] Gulani et al: Gadolinium Deposition in the Brain: Summary of Known Science and Recommendationsfrom the International Society for Magnetic Resonance in Medicine.

Benefits

- Contrast and injection details become part of the patient's PACS file
- This information is accessible for reporting and quality management[7]
- Injection Records can be edited and exported from the Data Manager tool
- Allows the correlation of injection parameters in PACS with enhancement levels

[7] Data is made available for quality management also in Radimetrics if present. Radimetrics is available separately.

Optional Extensions

REPORT

Dictation Interface

The dictation interface can be configured to auto-populate contrast and injection details in the report.

Optional Extension

Benefits

- Saves time dictating and reviewing contrast details
- Information in the report may assist with protocol optimization

CODE AND BILL

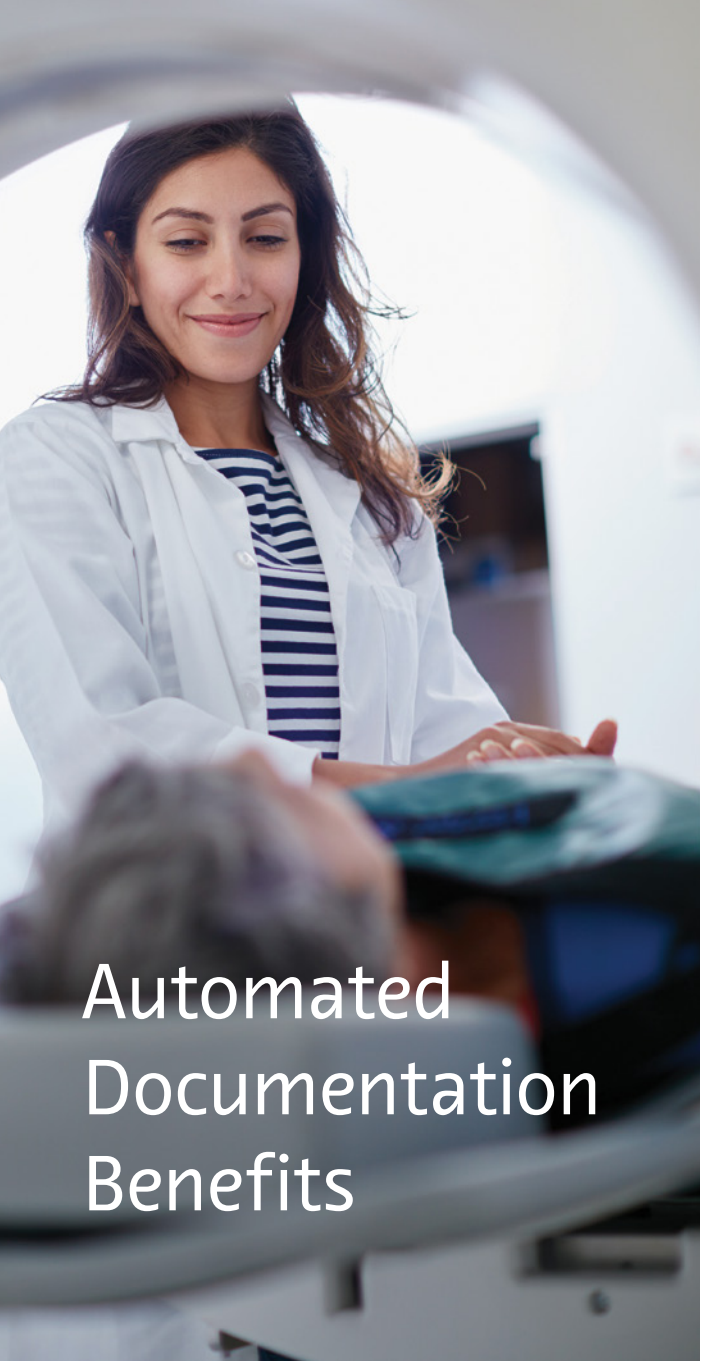
RIS Interface

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

Optional Extension

Benefits

- Allows for injection information to be stored in the RIS
- Accurate coding and invoicing of contrast enhanced procedures can be streamlined if a billing system is connected to the RIS



Automated Documentation Benefits

BENEFITS

Clinical

- Capture iodine or gadolinium dose (for CT or MR respectively) plus injected volumes 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 you need it
- Achieve standardized information flow and record keeping

Financial

- Efficiently comply with contrast documentation requirements[1,2,3,4]
- Streamline correct invoicing of contrast usage[5] where applicable

[1] Strasdas, K., Kidambi S. Prospective Evaluation of Barcode Technology for Contrast Documentation

[2] Healthcubator, Market research study on contrast documentation requirements in 12 countries for Bayer, 2017

[3] ACR Practice Parameter For Communication Of Diagnostic Imaging Findings, 2014, p. 3.

Automated Documentation Captured Information

PREPARE

Contrast information captured[6]

- Brand
- Concentration
- Vial Volume
- Lot Number
- Expiry Date[6]

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 or gadolinium dose
- Loaded volumes of contrast and saline
- Volumes used and remaining
- Delay
- Start and end times
- Injector model

[4] Gulani et al: Gadolinium Deposition in the Brain: Summary of Known Science and Recommendationsfrom the International Society for Magnetic Resonance in Medicine.

[5] SJRA Using Radimetrics™ Enterprise Platform Contrast Dose Management* to Improve Billing Cycle Time and Enhance Reporting Efficiencies. 2015 March (*Requires Medrad® Stellant® DCT Injection System, Certegra® Workstation)

[6] Pre-configured for Bayer contrast agents with matrix code. Non-Bayer barcodes require one-time manual configuration and not all contrast information may be available when scanned.

Note: The available functions for each step are visible on the previous page. Only “Prepare”, “Plan” and “Perform” are part of Automated Documentation package.

Workflow Solutions Ordering Information

Built-in barcode reader on MEDRAD® Centargo

Handheld barcode reader for MEDRAD® Stellant and MEDRAD® MRXperion

Description	MEDRAD® Centargo	MEDRAD® Stellant	MEDRAD® MRXperion
//Automated Documentation Includes: Smart ID, Modality Worklist, PACS Interface, Data Manager and Radimetrics® Interface*	CENT- AUTO-DOC	CWKS STARTER PKG	CWKS STARTER PKG
Dictation Interface Have Contrast and Injection Data available for documentation Optional Extension	CENT-SR	MIS PCS 300	MIS PCS 300
RIS Interface Send Contrast and Injection Data to RIS Optional Extension	CENT-RIS	MIS PCS 301	MIS PCS 301

*Radimetrics® available separately

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PP-PF-RAD-DK-0083-1 (DK,SE,NO) August 2024