



Integrated, Point of Care Solutions



Certegra
Workstation

medRAD® Stellant
CT Injection System

CONNECT

medrad[®] Stellant
CT Injection System

CONNECT

certegra
Workstation

Intelligent, Intuitive, Innovative

The Medrad® Stellant D Dual Syringe CT Injection System is reliable and easy-to-use.



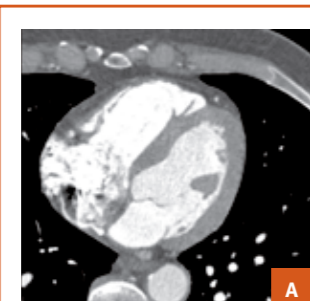
Protocol options for the most advanced clinical applications:

- ◆ Designed for complex CTA and Cardiac CT protocols
- ◆ Creates a tight contrast bolus
- ◆ Enables precisely timed contrast delivery

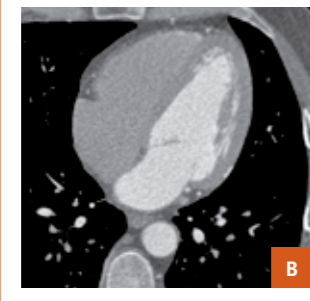
How can DualFlow assist with visualizing the whole heart?

A CCTA DualFlow protocol has been shown to:¹

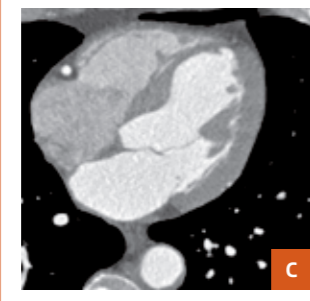
- ◆ Improve visualization of the right heart, while
- ◆ Suppressing streak artifacts from inflowing contrast material, and
- ◆ Maintaining high attenuation in the left heart and coronary arteries.



A. With single contrast phase²



B. With Saline Flush²



C. With DualFlow phase²

1. Kerl JM, Ravenel JG, Nguyen SA, et al. "Right heart: split-bolus injection of diluted contrast medium for visualization at coronary CT angiography". Radiology. 2008;247:356-364.
2. Jensen, CT. "Dual Flow Contrast Injection for Coronary CTA Improves Visualization of the Right Heart". NASCI Abstract # 05-A-69-NASCI.

Certeгра Workstation for Medrad® Stellant D Injection System

The command center for intelligent CT Contrast Dose Management Solutions.



Dual syringe kit plus 60" low pressure T-tubing with prime tube and two fill spikes

The Medrad® Stellant D efficiently increases throughput with:

- ◆ Snap-on / twist-off syringe design
- ◆ Automatic plunger advance and retract when attaching and detaching syringes
- ◆ Automatic filling and priming
- ◆ Storage and recall of up to 250 protocols
- ◆ Multi-phase programming (and patented Hold/Pause feature)
- ◆ Integrated saline test inject
- ◆ Programmable pressure limit
- ◆ Integrated Dual Flow availability

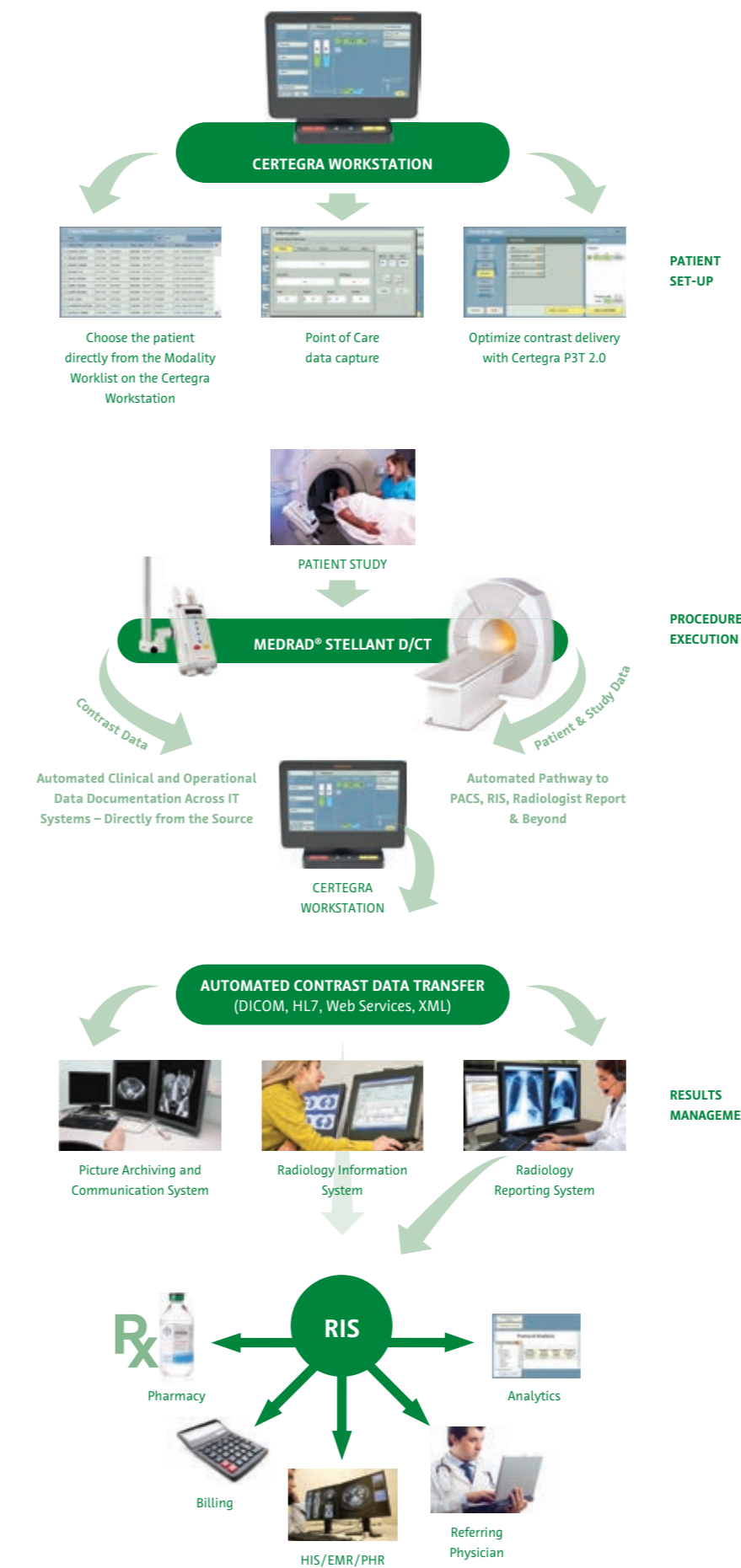


Certeгра Workstation.

The new command center for intelligent CT Contrast Dose Management.

The Certeгра Workstation is the cornerstone of the Certeгра Point of Care, the industry's first³ CT Contrast Dose Management Solution. The Workstation establishes inter-connectivity with and between the scanner, injector, PACS, RIS, and Radiology Reporting System. Data captured is centrally mobilized and made instantly available for improved outcomes and productivity throughout the chain of care.

3. Reference on file.



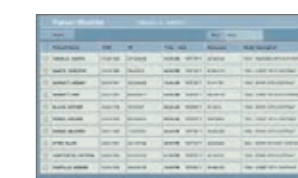
Touch the future of Contrast Dose Management Solutions.

With the Certeгра Workstation, managing information means fewer touch points and less manual entry. The sleek touchscreen interface and smart new approach to capturing data at the source offer greater control over the quality and consistency of patient care.

From study set-up and preparation to results management, the Workstation serves as the clinician's single interface to improved compliance and patient care, enabling:

- ◆ Modality Work List connectivity
- ◆ Point-of-care data capture
- ◆ A new P3T 2.0 (Personalized Patient Care) software environment
- ◆ Interconnectivity with hospital IT systems including PACS, RIS, Radimetrics and Speech Reporting Systems

The Certeгра Workstation empowers healthcare professionals.



Patient-Centric Workflow eliminates the guesswork.

- ◆ Select patient (with demographic information) directly from the Modality Worklist/Patient Worklist
- ◆ Instantly tie appropriate contrast delivery directly to each patient



Point of Care Data Entry automates direct documentation.

- ◆ Auto-populate the accession number, study description, and more — directly from RIS
- ◆ Capture vital injection details, including contrast brand and concentration, saline, catheter gauge, injection site, lot number, expiration date and technologist IDs



Protocol Manager facilitates appropriate patient dose, every time.

- ◆ Save/recall Certegra P3T 2.0 software protocols
- ◆ Create protocol presets based on Radiologist preferences

Interface Connectivity drives complete and consistent documentation.

- ◆ Auto-populate patient injection and study information into PACS, RIS, Radiology Speech Reporting Systems and more

System Specifications

Mechanical Specifications

	Height	Width	Depth	Weight
Dual Injector Head	15.5 cm (6.1")	30.7 cm (12.1")	36.8 cm (14.5")	8.1 kg (17.9 lb) <i>(without syringe)</i>
Base Unit	29.2 cm (11.5")	27.9 cm (11.0")	22.2 cm (8.8")	6.2 kg (13.6 lb)
Certegra Workstation (CWS) 	34.2 cm (13.5")	40.0 cm (15.8")	30.0 cm (10.2")	8.0 kg (17.6 lbs.)

Ordering Information

Systems listed include all standard cabling

Catalogue Number: SCT 211
MEDRAD® Stellant D Injection System with Pedestal Head Mount

Catalogue Number: SCT 212
MEDRAD® Stellant D Injection System with Counterpoise System

Catalogue Number: SCT 321*
MEDRAD® Stellant D CT Injection System with Certegra Workstation with a Pedestal Head Mount

Catalogue Number: SCT 322*
MEDRAD® Stellant D CT Injection System with Certegra Workstation with Counterpoise System Head Mount

* available in some countries



Injection Specifications

Flow Rate (range & increments)	0.1–10 mL/sec in 0.1 mL Increments
Volume (range & increments)	1 mL to Syringe Capacity in 1 mL Increments
Programmable Pressure Limit (psi/kPa)	200 mL Syringe: 325 psi, 2241 kPa
Scan Delay	0–300 Seconds (5 minutes) in 1 Second Increments
Pause	1–900 Seconds (15 minutes) in 1 Second increments
Hold	Maximum HOLD Time is 20 Minutes
Syringes (Volume capacity)	200 mL Sterile Disposable Syringe
Maximum Number of Phases	6
Maximum Number of Protocols	250

Miscellaneous Specifications

Electrical Requirements (VAC/Hz) 100–240 VAC, 50/60 Hz, 300 Volts-AMPs

Syringe Heat Maintainer 35 degrees C +/-5 degrees
95 degrees F +/-9 degrees

Head Mounting Options

Dual Flow

Certegra P3T 2.0 Cardiac Application

Certegra P3T 2.0 Abdomen Application

Certegra P3T 2.0 PA Application

Informatics Starter Package

PACS Outbound Interface

RIS Outbound Interface

Speech Recognition Outbound Interface

Imaging System Interfacing (ISI)

VirtualCare*

Overhead Counterpoise System or Floor Pedestal (Floor Pedestal includes an Integral IV Pole)
Simultaneous Injection of Contrast and Saline is integrated in the CWS and included
Cardiac CTA Protocol Optimization Software

Abdominal Protocol Optimization Software

Pulmonary Angiography Protocol Optimization Software

Access to Modality Worklist and Database of Injections

Send Secondary Capture of Contrast Injection to PACS

Send Contrast Injection Information to RIS

Send Contrast Injection Information to Speech Recognition System

Several Types of Interfacing with the Scanner

Remote service on the injector and software to ensure faster up time.

* available in some countries

Enhancing Your CT Practice



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