Technology deployments

Boost your capabilities with new technology deployments

EasiPak technology deployments provide the right software and clinical training to enhance your team's capabilities

+ More over time

Future deployments

Data-driven insights*

Secondary deployment

Scanner connectivity

Automated documentation

Personalized protocols

Initial deployment

MEDRAD ® Stellant
CT Injection System

* Anticipated component in second technology deployment.

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Scanner connectivity

An interface that allows communication between your scanners and the MEDRAD® Stellant CT Injection System

Enhances clinical capabilities by synchronizing scan timing and simplifying workflows.

- **Provides precision scanning techniques and improves contrast bolus timing**

- **Can save time by starting the procedure from the control room**

- **Limits the amount of back and forth attention between injector and scanner controls**

- **Allows the flexibility to remain at your patient's side**

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CT Injection System

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Scanner connectivity

Use one button to simultaneously trigger the scanner and the injector
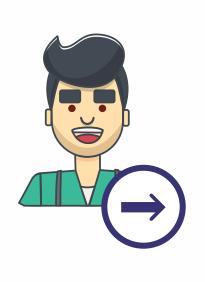
New process

Technologist stays by patient's side and monitors patient during initial injection

One button on either the scanner or the injector can initiate both the injection and scanner protocol

Current process

Technologist sets up patient and injector protocol

Technologist walks to scan room

Technologist sets up scanner protocol

Technologist walks back to control room

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CT Injection System

Scanner connectivity is available for select SIEMENS, TOSHIBA, GE, PHILIPS and HITACHI scanners.

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New process

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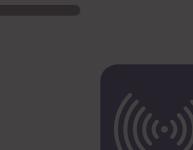**Current process**

Technologist sets up patient and injector protocol

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Technologist sets up scanner protocol

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Scanner connectivity is available for select SIEMENS, TOSHIBA, GE, PHILIPS and HITACHI scanners.

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Automated documentation

Software designed to automatically capture and distribute key data for contrast enhanced procedures

Allows radiology teams to reduce administrative rework and multiply efficiencies.

Import patient and procedure details from Modality Worklist

Auto-populate individual contrast injection records into PACS and Speech Recognition

Improve reporting accuracy and traceability
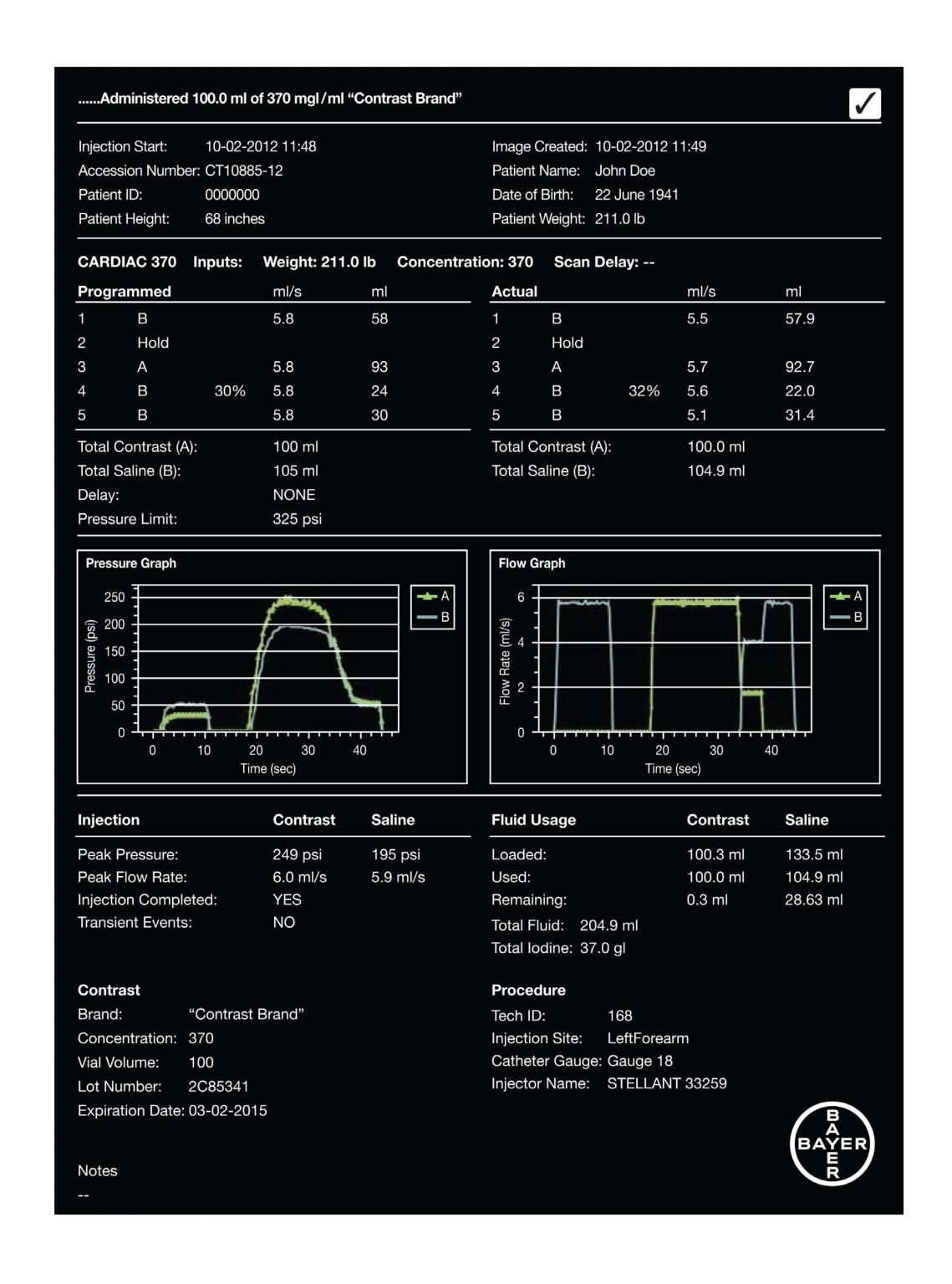
Reduce dictation and rework time for Radiologists

> See how Automated documentation reduces administrative tasks

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CT Injection System

All patient data that appear in this document are fictitious.
No actual patient information is shown.

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Automated documentation

Select patient directly from Modality Worklist/Patient Worklist

Patient Worklist					v1.4
Patient Name	**DOB**	**ID**	**Time & Date**	**Accession Number**	**Study Description**
(i) SEXTON, EMMANUEL	05/06/2007	ID-00000...	13:48 PM 09/22/2011	SSS-000000000806	Study info goes here: 0806
(i) PECK, RUFUS	12/01/1990	ID-00000...	14:48 PM 09/22/2011	SSS-000000000061	Study info goes here: 0061
(i) ATKINS, LINO	01/05/1992	ID-00000...	14:48 PM 09/22/2011	SSS-000000000291	Study info goes here: 0291
(i) MORSE, ALPHONSE	09/05/1976	ID-00000...	14:48 PM 09/22/2011	SSS-000000000726	Study info goes here: 0726
(i) HARPER, RALEIGH	08/27/1993	ID-00000...	15:48 PM 09/22/2011	SSS-000000000164	Study info goes here: 0164
(i) MIDDLETON, BARTON	02/08/1993	ID-00000...	15:48 PM 09/22/2011	SSS-000000000984	Study info goes here: 0984
(i) MEJIA, STEPHAN	11/15/1955	ID-00000...	16:48 PM 09/22/2011	SSS-000000000055	Study info goes here: 0055
(i) MUNOZ, EMILE	08/19/1964	ID-00000...	16:48 PM 09/22/2011	SSS-000000000180	Study info goes here: 0180
(i) VANG, DALLAS	10/29/1920	ID-00000...	16:48 PM 09/22/2011	SSS-000000000478	Study info goes here: 0478
(i) SUMMERS, EDDIE	06/02/1979	ID-00000...	16:48 PM 09/22/2011	SSS-000000000529	Study info goes here: 0529

Patient Name: Update   Cancel

All patient data that appear in this document are fictitious.
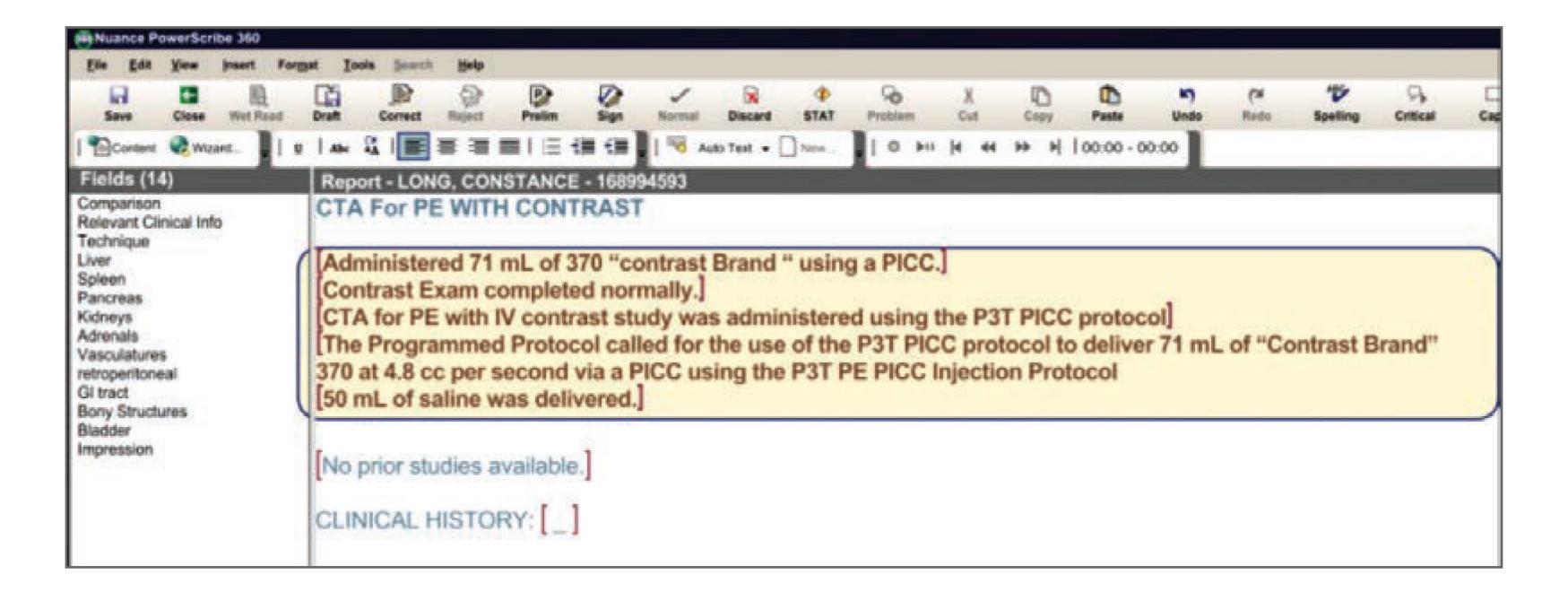No actual patient information is shown.

CT Injection System

Automated documentation

Enter and capture vital injection details directly into PACS

......Administered 100.0 ml of 370 mgI/ml "Contrast Brand" ✓

Injection Start:	10-02-2012 11:48	
Accession Number:	CT10885-12	
Patient ID:	0000000	
Patient Height:	68 inches	

Image Created:	10-02-2012 11:49
Patient Name:	John Doe
Date of Birth:	22 June 1941
Patient Weight:	211.0 lb

CARDIAC 370   Inputs: Weight: 211.0 lb   Concentration: 370   Scan Delay: --

Programmed			ml/s	ml
1	B		5.8	58
2	Hold			
3	A		5.8	93
4	B	30%	5.8	24
5	B		5.8	30

Actual			ml/s	ml
1	B		5.5	57.9
2	Hold			
3	A		5.7	92.7
4	B	32%	5.6	22.0
5	B		5.1	31.4

Total Contrast (A):	100 ml
Total Saline (B):	105 ml
Delay:	NONE
Pressure Limit:	325 psi

Total Contrast (A):	100.0 ml
Total Saline (B):	104.9 ml

Pressure Graph

Flow Graph

Injection	Contrast	Saline
Peak Pressure:	249 psi	195 psi
Peak Flow Rate:	6.0 ml/s	5.9 ml/s
Injection Completed:	YES	
Transient Events:	NO	

Fluid Usage	Contrast	Saline
Loaded:	100.3 ml	133.5 ml
Used:	100.0 ml	104.9 ml
Remaining:	0.3 ml	28.63 ml
Total Fluid:	204.9 ml	
Total Iodine:	37.0 gI	

Contrast
Brand:	"Contrast Brand"
Concentration:	370
Vial Volume:	100
Lot Number:	2C85341
Expiration Date:	03-02-2015

Procedure
Tech ID:	168
Injection Site:	LeftForearm
Catheter Gauge:	Gauge 18
Injector Name:	STELLANT 33259

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Notes
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CT Injection System

Automated documentation

Enter and capture vital injection details directly into Speech Recognition
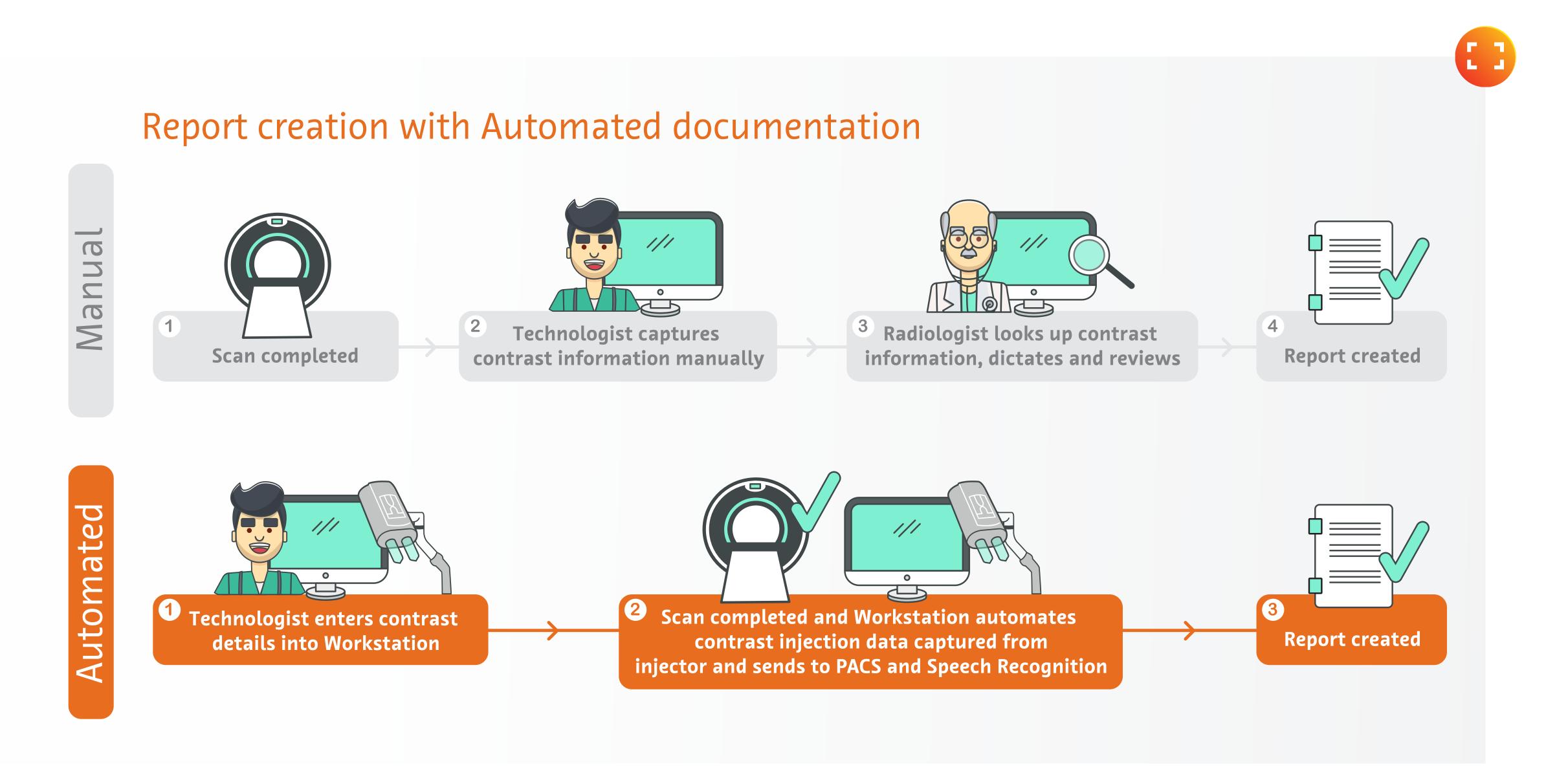
CT Injection System

Automated documentation

Complete the same data capture and reporting process in fewer steps

Report creation with Automated documentation

Manual

| 1 Scan completed | 2 Technologist captures contrast information manually | 3 Radiologist looks up contrast information, dictates and reviews | 4 Report created |

Automated

| 1 Technologist enters contrast details into Workstation | 2 Scan completed and Workstation automates contrast injection data captured from injector and sends to PACS and Speech Recognition | 3 Report created |

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Automated documentation

Complete the same data capture and reporting process

Report creation with Automated documentation

Manual

1. Scan completed
2. Technologist captures contrast information manually
3. Radiologist looks up contrast information, dictates and reviews
4. Report created

Automated

1. Technologist enters contrast details into Workstation
2. Scan completed and Workstation automates contrast injection data captured from injector and sends to PACS and Speech Recognition
3. Report created

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CT Injection System

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Personalized protocols

An algorithm that allows technologists to personalize injection protocols and provide consistent image quality amongst clinicians

Allows technologists to account for unique patient and study variables.

Calculate contrast media protocols automatically

Personalize the volume and flow rate for each patient

Configure according to the workflow, policies and preferences of each facility

> Studies available

Abdomen   Cardiac   PA

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PA=pulmonary angiography.

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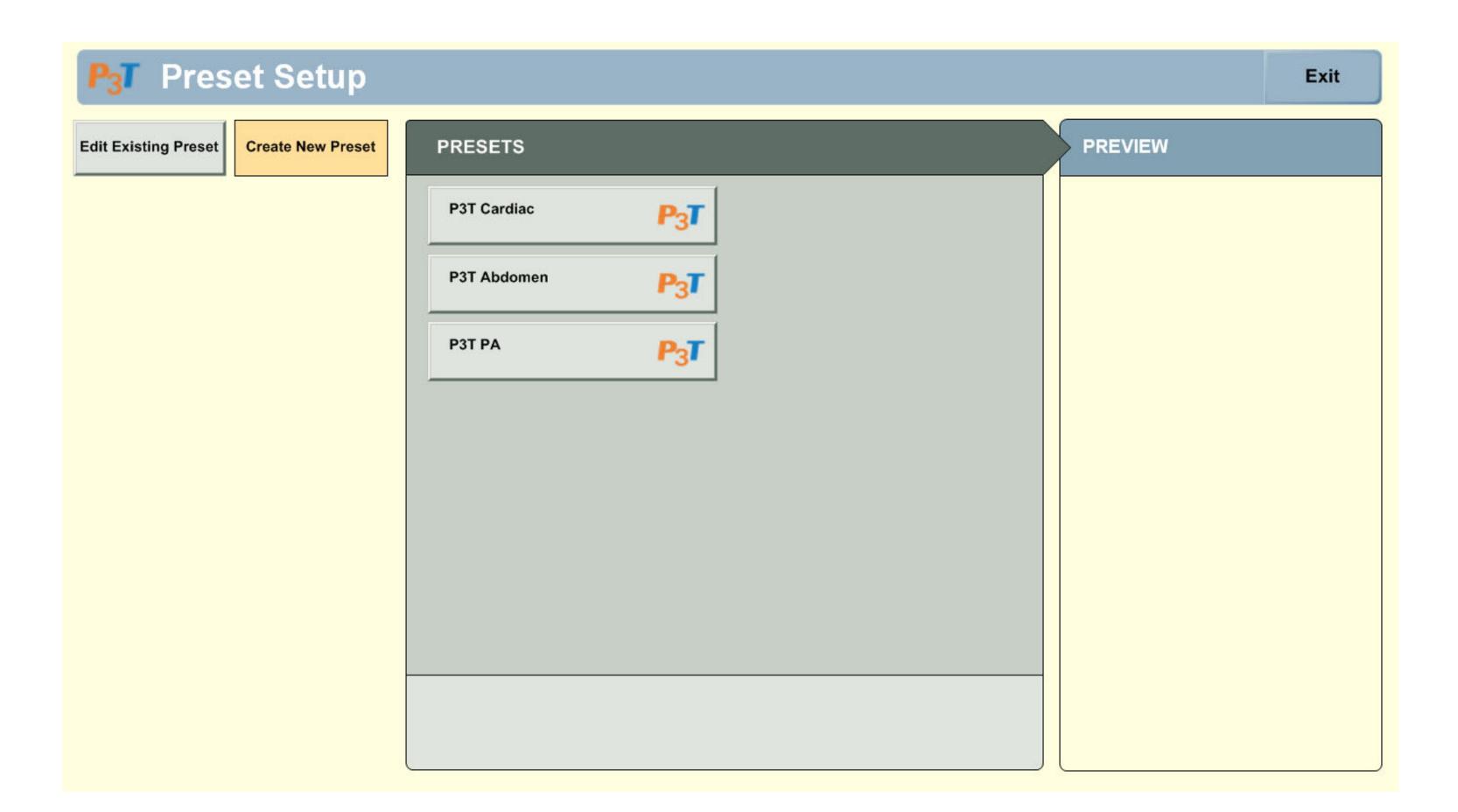
Personalized protocols
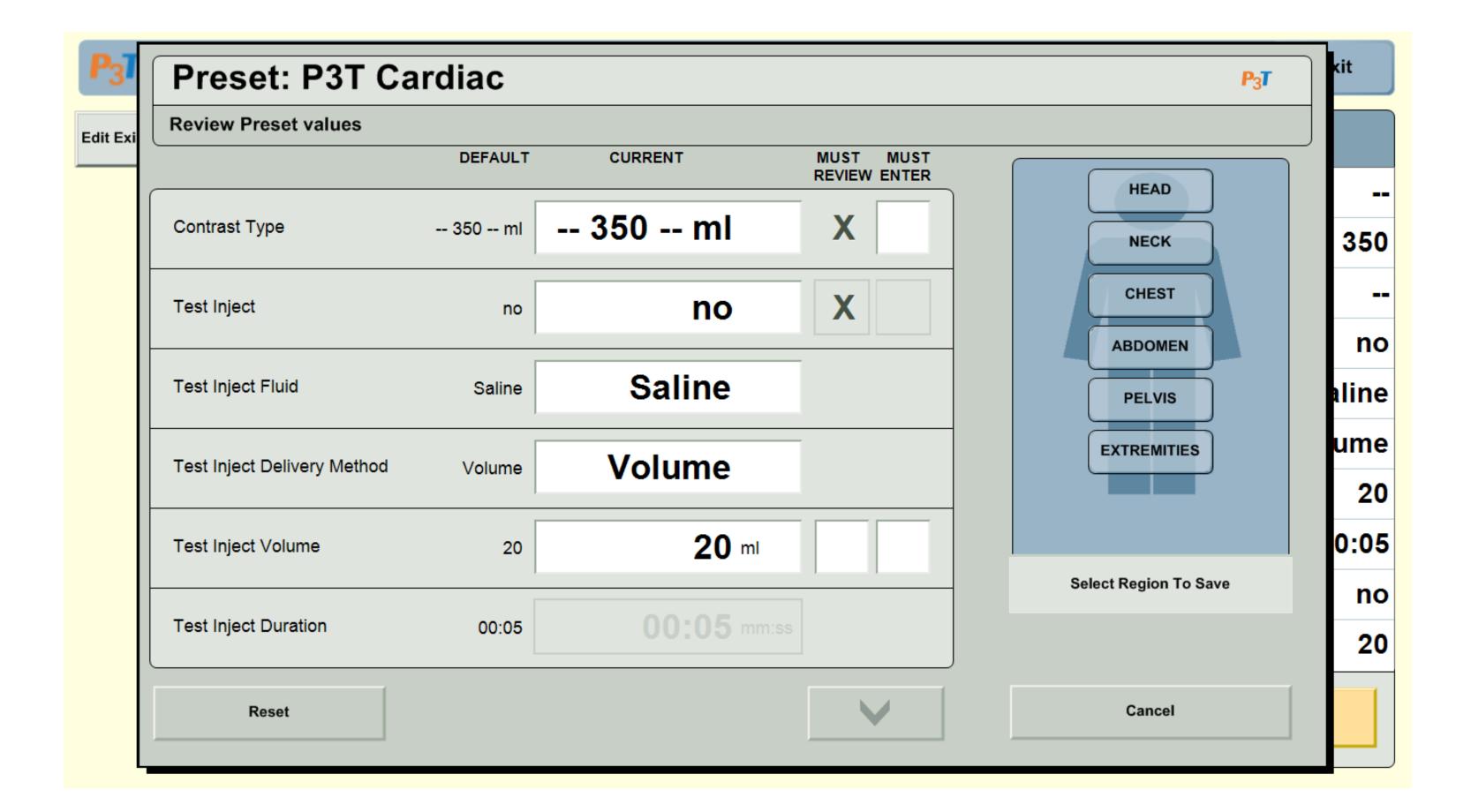
A clinically validated algorithm designed to provide consistent image quality amongst clinicians by managing personalized contrast delivery protocols with flexibility to incorporate pre-set Radiologist preferences for dosing, contrast concentrations and scan timing

CT Injection System

PA=pulmonary angiography.

Cardiac studies
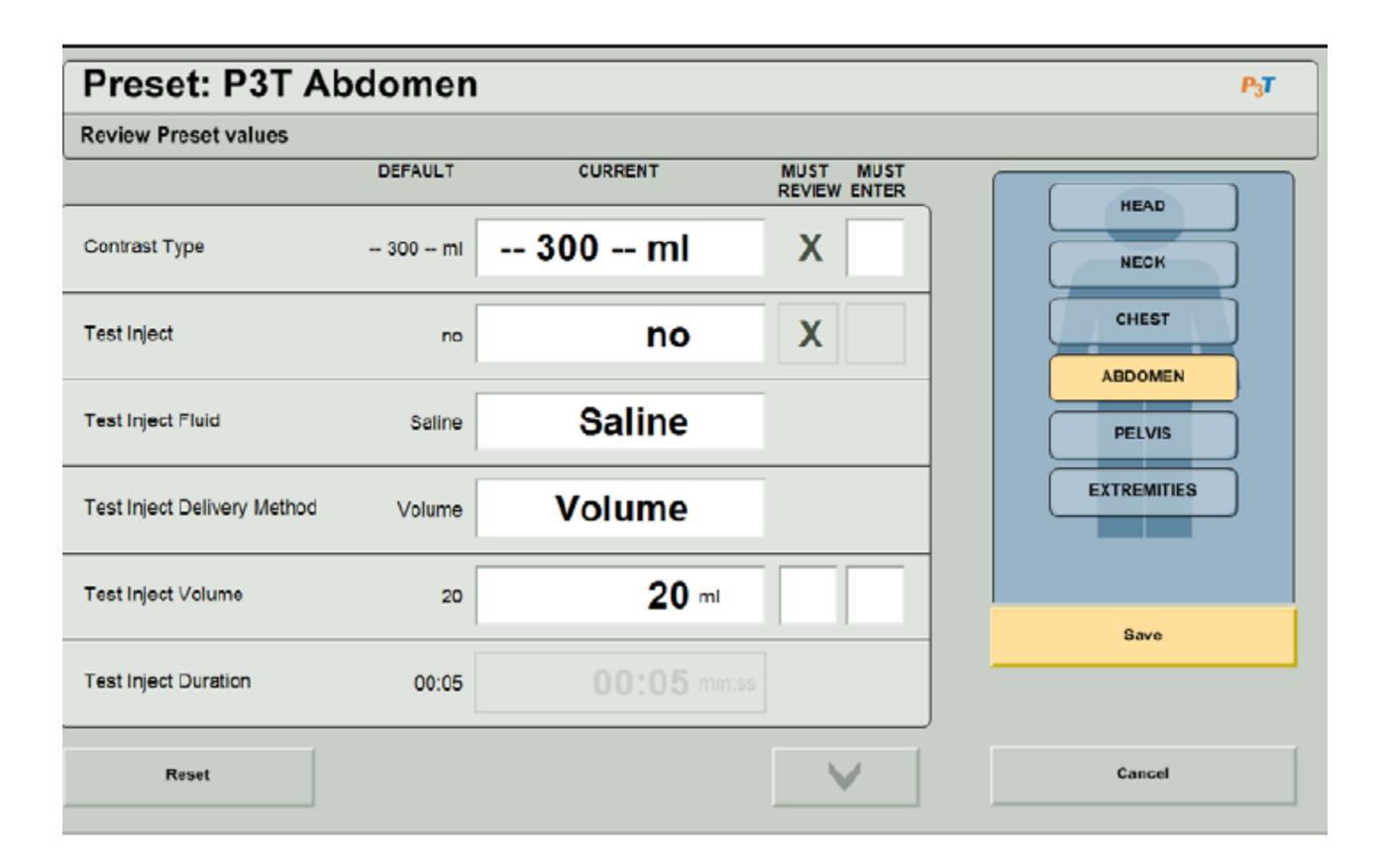
Manage cardiac-imaging complexity

Abdomen studies
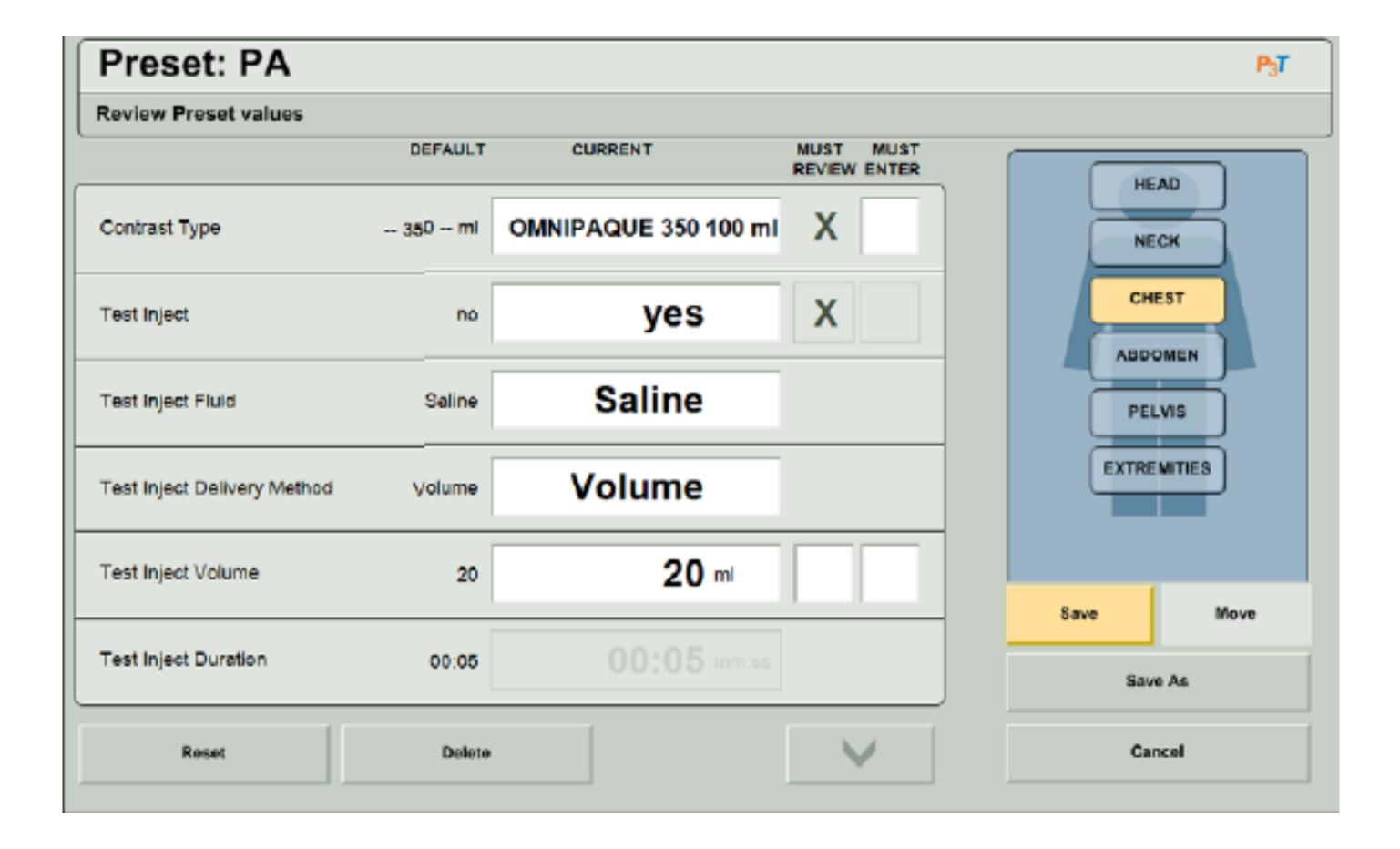
Facilitate implementation of multiple CT abdomen protocols

PA=pulmonary angiography.

Pulmonary angiography studies

Reducing occurrences of suboptimal CT pulmonary angiography studies, albeit at a slightly higher contrast dose than the standard protocol of 80 mL[1]
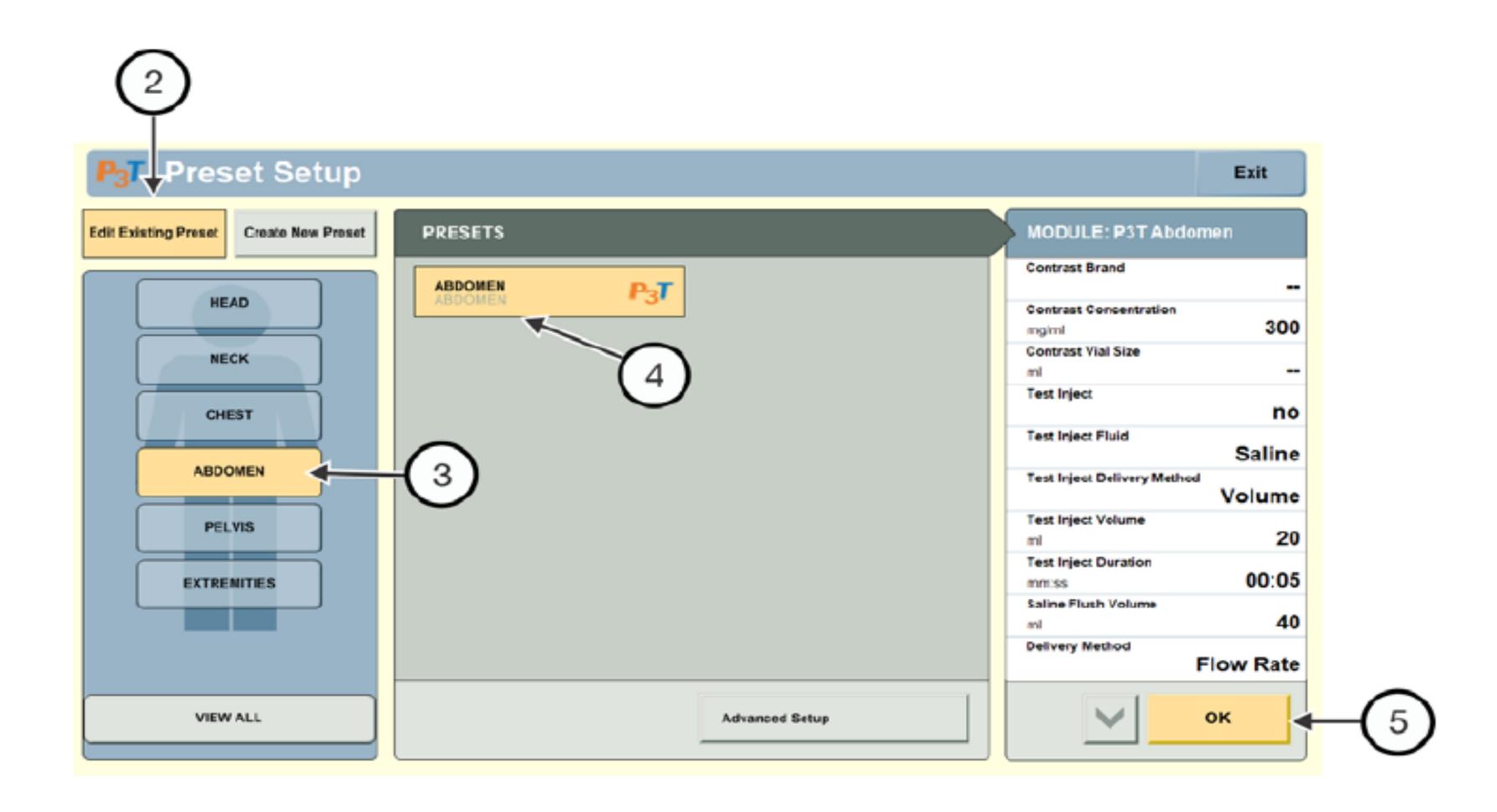
Reference: 1. Deible CR, et al. A Clinical Evaluation of an Automated Software Program (Certegra® P3T® PA) for Patient Specific Contrast Injection During Chest CTA to Exclude Pulmonary Embolism. RAD-INF-14-06087 May 2014.

CT Injection System

PA=pulmonary angiography.

Personalized protocols

Edit an existing pre-set