Radiology Administrator: PERSPECTIVES

How East Texas Medical Center gained a technological edge

About the East Texas Medical Center Regional Healthcare System
- Level-one trauma center in Tyler, Texas
- Five hospitals and multiple clinics within the network

The impact of automation and contrast dose management

Based in Tyler, Texas, East Texas Medical Center (ETMC) is a high-volume, level-one trauma center. Committed to continued performance improvement, ETMC’s imaging department became convinced to outsource CT workflows and processes through automation.

Automated, streamlined processes

To gain a technological edge, ETMC adopted contrast dose management software offered by Bayer in Radiology. Collaborating closely with Bayer to prepare systems and staff for launch, the radiology team connected its MEDRAD® Stellant injectors to outbound interfaces, automating workflows and eliminating manual documentation.

ETMC before and after contrast dose management

Soon after platform deployment, ETMC recognized incremental department-wide improvements. Contrast dose management had begun to make a difference.

Workflow improvements, measurable results

The Tyler imaging team agreed that the contrast dose management implementation was successful. Radiology Director Bill Tobin commented on program results and next steps.

Visit radiologysolutions.bayer.com to learn more about contrast dose management.

MANUAL DOCUMENTATION was subject to human error and was sometimes inaccurate and inconsistent.

INCONSISTENT DOSING APPROACH based upon each technologist’s insight and experience.

REPEAT SCANS were required if the amount of contrast used to get a quality scan was misjudged.

AUTOMATION improved reporting, completeness and accuracy with no more manual study documentation.

STANDARDIZATION promoted a department-wide dosing approach.

PERSONALIZATION minimized repeat scans by automating individualized weight-based contrast dose protocols.

“Our plan is to standardize automation across our affiliated hospitals and clinics. We’re also interested in adopting dose management for other types of studies.”

Bill Tobin
Radiology Director
ETMC

“We do a lot of CT scans at Tyler, so we knew having some sort of a technological edge to better monitor and control contrast would be a good move.”

30% REDUCTION IN CONTRAST VOLUME

All department projects.

“AUTOMATION MAKES THEIR TASK A LITTLE EASIER.

Including tools in the planning process kept them engaged and gave more autonomy to the program’s success. Now we have fewer repeat scans and control over contrast-related dosing.”

Bill Tobin
Radiology Director
ETMC

“We do a lot of CT scans at Tyler, so we knew having some sort of a technological edge to better monitor and control contrast would be a good move.”

Visit radiologysolutions.bayer.com to learn more about contrast dose management.

IN CONTRAST VOLUME