

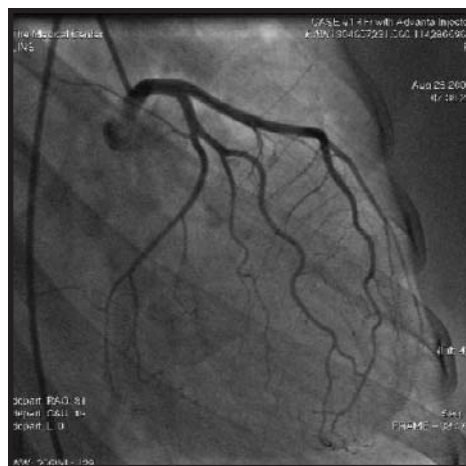
MEDRAD Avanta® Fluid Management Injection System

“The transition from manual injection to using the MEDRAD Avanta injector system was a very smooth process. The user interface allows for quick and easy adjustments, and contrast savings for both the patients and Cath Lab have been outstanding.”

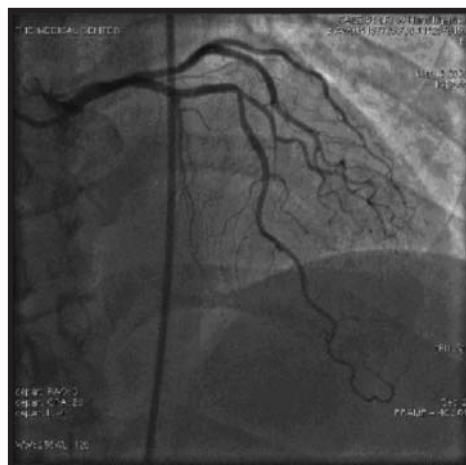
*John Blarrik, RT(R)
The Heart & Vascular Center,
Beaver Clinical Research Coordinator*



An advanced contrast and saline management system, flexible enough for multiple cardiovascular and vascular procedures



LCA opacification utilizing the MEDRAD Avanta Injection System with a 4FR angiographic catheter.



LCA hand injection with a 6FR angiographic catheter.

Safety

Advanced technology is only valuable if it is inherently safe. MEDRAD makes safety of the patient and operator a top priority.

- Precise control of coronary injection, especially with small catheters*
- Redundant air management system with fluid level sensing and gross air detection
- Reduced radiation exposure for the physician and staff
- Reduced contrast injection during saline flush due to separate contrast and saline tubing lines

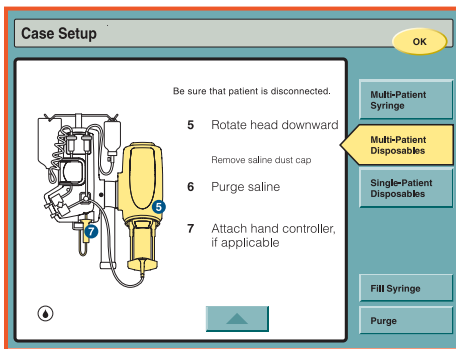
Precision

- Distinct bolus sharpness feature
- Automatic transition from injection to hemodynamic state
- Responsive hand-controller with detents for increased flow control*
- Exact variable and fixed-flow delivery

* when compared to manual injection



A unique hand controller provides more control over the total volume delivered by allowing the physician to adjust contrast delivery during the injection and monitor total volume delivered to the patient.



MEDRAD Avanta
Table Mount Injection System
AVA 500 TABL

Reduced Costs

- Multi-patient disposables (MPAT) can be used for up to 5 patients
- Significant contrast savings during procedures
- Reduced contrast waste between procedures

Ease-of-Use

- Automatic transition from injection to hemodynamic monitoring eliminates manually manipulating the stopcock
- Multi-patient disposables (up to five patients) for quick connection and priming
- Flexible mounting options
- Increased convenience and repeatability with customizable protocols
- Easy-to-read and intuitive color touch screen with tutorial for simplified setup



MEDRAD Avanta
Pedestal Mount Injection System
AVA 500 PEDL

You've come to know MEDRAD for reliable, easy-to-use CV products for which safety was always a given. Now you can add "efficient" and "reduced costs" when describing our products.

MEDRAD reserves the right to modify the specifications and features described herein, or discontinue manufacture of the product described at any time without prior notice or obligation. Please contact your authorized MEDRAD representative for the most current information.

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the Baldrige Award recognizes exemplary achievements in seven areas: leadership, strategic planning, customer and market focus, measurement, analysis and knowledge management, human resource focus, process management and business results. The U.S. Commerce Department's National Institute of Standards and Technology (NIST) manages the Baldrige National Quality Program in close cooperation with the private sector. The award is traditionally presented by the President of the United States in a special Washington, D.C. ceremony.

The Malcolm Baldrige National Quality Award is our nation's premier award for performance excellence and quality achievement. Established in 1987 and named after the former Secretary of Commerce,

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