

Exclusive WBR Technology:

Xpress.Cardiac™

Resolving the Age-old Trade-off between Sensitivity and Resolution in Nuclear Imaging

The Problem Inherent in Current NM Equipment:

- The collimator geometry required for higher image resolution results in lower clinical sensitivity
- Reduced sensitivity is compensated for by long acquisition times.

What Is WBR Technology?

- Proprietary, intelligent and innovative image reconstruction algorithms resolving the sensitivity/resolution trade-off
- Iterative image reconstruction based on an accurate modeling of the photon emission and detection.

What Does It Do?

- Simultaneously recovers image resolution and contrast
- Suppresses noise
- Eliminates the collimator's beam spread function effect
- Automatically compensates for the distance from the patient.

What Are the Advantages?

- Dramatically shortened acquisition time
- Significantly improved image quality.

¹J. H. Oaknin et. al., ASNC 2005.
²S. Borges-Neto et. al., ICNC 2007.
³G. DePuey et. al., ICNC 2007.



UltraSPECT specializes in the production and sale of products dedicated to the enhancement of patient safety and comfort, imaging quality and productivity performance of NM Gamma Cameras. UltraSPECT products are FDA cleared for distribution in the U.S. market and are already in routine use in hundreds of leading NM imaging centers in the U.S., Europe, Asia, and Australia.

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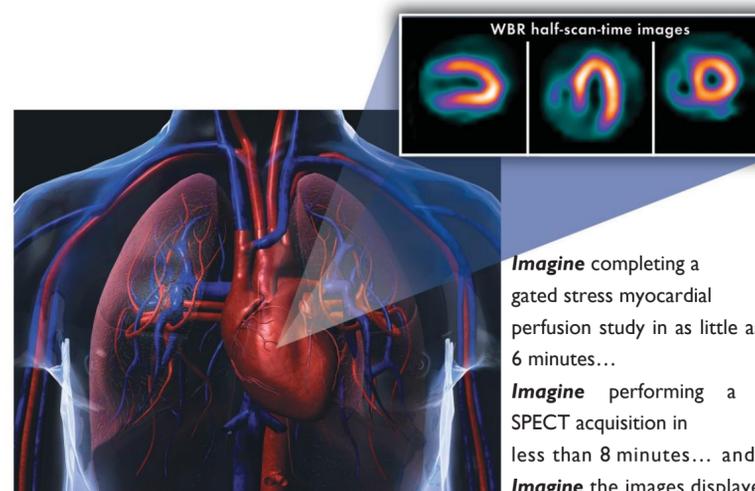
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Half the Scan Time and Higher Image Quality Setting the New Gold Standard for Cardiac SPECT



Imagine completing a gated stress myocardial perfusion study in as little as 6 minutes...

Imagine performing a rest SPECT acquisition in less than 8 minutes... and **Imagine** the images displayed

at contrast and resolution levels higher than those you have learned to expect!

All this is now possible thanks to UltraSPECT®'s exclusive Wide-Beam Reconstruction (WBR™) technology! WBR virtually resolves the well-known trade-offs between sensitivity and resolution in Nuclear Imaging, revolutionizing the way Nuclear Imaging is practiced. The benefits are unimaginable!

- Dramatically reduced scan times
- Superior image quality with undiminished diagnostic certainty
- Unsurpassed patient throughput and department productivity
- Improved patient tolerance and cooperation
- Seamless product integration and automated operation.



Shaping the future of Nuclear Imaging

Xpress.Cardiac

Revolutionizing Your Nuclear Imaging Practice
In More Ways than You Can Imagine!

Half the Scan Time... Yet Superior Image Quality with Undiminished Diagnostic Certainty

- Equivalent image resolution
- Higher image contrast¹
- Higher Signal-to-Noise Ratio, with improved background uniformity²
- Reduced motion artifacts
- No post-reconstruction filtering applied, eliminating the "cosmetic" image enhancement effect
- Improved visualization of endocardial borders and wall motion segments³
- Enhanced lesion detectability, leading to increased diagnostic confidence.

Half the Scan Time... For Unsurpassed Patient Throughput and Department Productivity

- Increased patient throughput, with productivity improved by over 50%
- Maximized cost-effectiveness of your current NM equipment
- Simplified image processing—no need to set parameters or apply filters
- The need for the occasional repeat scan virtually eliminated.

Half the Scan Time... For Improved Patient Tolerance and Cooperation

- Improved patient comfort
- Significant reduction in patient motion, increasing diagnostic confidence for all patient populations.

Seamless Product Integration and Automated Operation

- Readily connects to most major manufacturers' cameras and workstations network
- Hardware (dual Pentium processor with embedded software) installed within hours
- Fully automatic operation, transparent to the department work-flow
- Single automatic processing protocol for all patients
- Robust and reliable, with virtually no "down" time.



Xpress.Cardiac

Repositions your practice to meet today's growing demands on clinical efficacy, department productivity and patient comfort.

Xpress.Cardiac

Nuclear Cardiac Imaging at its Best:
Uncompromised Clinical Sensitivity *and* Specificity

