

PRESS RELEASE

New Patient-Centered Innovations for Streamlined Cardiac Perfusion Imaging Is Here – And Means Big Benefits to Patients and Clinicians

Scanning patients for stress is unavoidable – the actual process is not. New capabilities for D-SPECT® Digital Cardiac Scanners mean improved image quality, potential 30-minute, stress-only scanning, and utilization of existing workflow – no additional scans required.

FOR IMMEDIATE RELEASE: SARASOTA, FLORIDA, JULY 10, 2020: Spectrum Dynamics Medical, Inc., announced today that they're taking their digital SPECT, D-SPECT® cardiac scanner capabilities to the next level with the introduction of EMAC (Emission Map Attenuation Correction). The patient-specific software application seeks to remove perceived issues and provide solutions in SPECT myocardial perfusion imaging, including attenuation artifacts, scatter, quantification accuracy, additional scanning and patient radiation exposure.

"Clinicians today are looking for solutions that provide diagnostic results on their terms," explains Nathaniel Roth, Vice President of Research and Development for Spectrum Dynamics Medical. "That means anything presented needs to prevent additional imaging times and, even more critical, dose to the patient. The state-of-the-art reconstruction algorithm EMAC provides customers with a unique image quality improvement to overcome attenuation artifact hurdles, without any additional radiation dose or changes to D-SPECT® Scanner imaging workflow."

EMAC utilizes a four-step process to provide results. By first accessing patient specific SPECT data, EMAC develops a scatter model to estimate an emission map. Reconstructed SPECT data is then matched with the emission map for attenuation correction, ultimately meaning better results without additional scanning or changes to the workflow. It is available for all D-SPECT® Series digital cardiac scanners.

"Cardiac imaging is a continually evolving field and we are committed to invest in the appropriate technologies for the best patient outcomes," continues Roth. "EMAC is a major step for Spectrum's D-SPECT® Scanners on the way to become the new cardiac imaging standard." For more information, contact Nilda Rivera at (941) 441-6224 or NildaR@spectrum-dynamics.com

About Spectrum Dynamics Medical

Spectrum Dynamics Medical Group Limited and its subsidiaries ("Spectrum Dynamics") are engaged in the development, manufacturing, sales and service of state-of-the-art nuclear medicine imaging systems. Spectrum Dynamics is spearheading the transformation of SPECT imaging systems from analog to digital detection technology, enabling hospitals and clinicians to provide superior healthcare services with improved image quality, efficiency and access to advanced clinical applications. Spectrum Dynamics launched the world first digital cardiac dedicated SPECT system – the D-SPECT® CARDIO system – in 2007. Since then, the D-SPECT has become the system of choice for functional cardiac imaging with hundreds of systems sold worldwide. In 2018, Spectrum Dynamics launched its multipurpose SPECT and SPECT-CT systems – the VERITON® and the VERITON-CT® SPECT/CT, first ring-based 360 CZT digital SPECT/CT scanner.

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