



FOR IMMEDIATE RELEASE

**JACC PUBLICATION EVALUATING THE D-SPECT™ SYSTEM
FOR MYOCARDIAL PERFUSION IMAGING**

Orangeburg, New York, March 31, 2008 – The March issue of the Journal of the American College of Cardiology (J Am Coll Cardiol Img 2008; 1:156-163) highlights the features and clinical benefits of the D-SPECT system (Spectrum Dynamics (USA) Inc.) with BroadView™ imaging technology for the evaluation of high-speed myocardial perfusion imaging. Dr. Tali Sharir, et al. makes an initial clinical comparison of the D-SPECT system versus conventional dual detector Anger camera systems.

This novel compact camera has been designed to increase sensitivity as well as spatial and energy resolution compared to Anger SPECT camera (A-SPECT) by employing a bank of independently controlled detector columns with large hole tungsten collimators in front of multiple cadmium zinc telluride (CZT) crystal arrays. The study compared high speed D-SPECT to conventional A-SPECT imaging for the evaluation of myocardial perfusion in patients with known or suspected coronary artery disease.

The results obtained in this study showed that image quality was good and higher in 17 (94%) cases for D-SPECT, and 16 (89%) cases for A-SPECT. D-SPECT SSS and SRS correlated linearly with A-SPECT respective scores. Of the 18 studies, 14 (78%) were diagnosed as definite normal or abnormal for both A-SPECT and D-SPECT. Myocardial count rate was significantly higher in D-SPECT (8 times higher) compared with A-SPECT for both stress and rest studies.

The researchers concluded that “D-SPECT provides fast myocardial perfusion imaging with high image quality and improved resolution, with up to 8 fold increased sensitivity. The amount of perfusion abnormality visualized by D-SPECT is highly correlated to A-SPECT, with an equivalent level of diagnostic confidence.”

About Spectrum Dynamics

Spectrum Dynamics LLC, with offices in New York, California and research and development facilities in Caesarea, Israel is a pioneering medical device company focused on personalized molecular imaging and applications. Spectrum Dynamics will revolutionize the practice of nuclear cardiology, and eventually all nuclear medicine applications, by dramatically enhancing workflow and providing new clinical applications not possible with conventional technology. Additional information can be found at www.spectrum-dynamics.com

Statement

This press release may contain forward-looking statements about Spectrum Dynamics, including projections about our business and the nuclear medicine market. Those forward-looking statements are not guarantees of future performance and actual results could differ.

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