



LightLab Highlights OCT Market Leadership at the Society for Cardiovascular Angiography and Interventions

Dr. Marco Costa discusses the importance of OCT in stent deployment

Westford, MA, April 30, 2010 – LightLab Imaging Inc., the pioneer in development and world leader in sales of Optical Coherence Tomography (OCT) systems for vascular and other imaging applications, will exhibit at the Society for Cardiovascular Angiography and Interventions (SCAI) meeting in San Diego, CA May 5 to 8, in booth 28.

Presenting at SCAI will be Marco A Costa, MD, PhD, Professor of Medicine Director, Interventional Cardiovascular Center and Director, Research and Innovation Center at the Harrington-McLaughlin Heart and Vascular Institute University Hospitals, Case Western Reserve University. He will deliver the talk, “Do I really need to see that much stent detail with OCT?” on Wednesday, May 5, from 11:00 AM to 11:15 AM.

“Cardiologists have long been searching for imaging tools to enhance our understanding of vascular disease and guide optimal PCI and other coronary therapeutic strategies,” said Dr. Costa. “The LightLab’s C7-XR™ imaging system is the first non-occlusive optical intravascular imaging system already available in Europe and Asia. Many have focused on the eye catching micron-level vascular images, but “ease-of-use” and speed at > 100 frames/sec are the key features of this imaging tool that will revolutionize the way real-world interventionalists approach coronary artery disease.”

Dr. Costa directs the cardiovascular imaging core lab responsible for analyzing results from many trials using OCT. LightLab has submitted a 510(k) Premarket Notice which is under review by the Food and Drug Administration. LightLab OCT is not currently cleared for sale in the US.

Working with leading physicians worldwide, LightLab has led the clinical development of intravascular OCT applications and currently offers the only commercially available OCT systems. The company’s FD-OCT™ or Frequency Domain OCT system has been available outside of the U.S. for the past year. LightLab’s C7-XR systems are installed in many European countries, and thousands of FD-OCT imaging procedures have been performed with this system since its introduction.

“SCAI is an important show for LightLab and a great opportunity for us to demonstrate the clinical advantages of our products,” said David Kolstad, CEO of

LightLab Imaging. “The C7-XR system has provided clinicians in Europe a significant advancement in imaging speed and clinical data available to them during therapeutic procedures.”

About LightLab Imaging, Inc.

LightLab Imaging, Inc., based in Westford MA, is the world’s leading manufacturer and marketer of Optical Coherence Tomography (OCT) for vascular and other imaging applications. LightLab’s OCT systems and imaging catheters are cleared for sale in 40 countries in Europe, Asia, the Middle East and South America. The company was founded in 1998 by the inventors of OCT, and has exclusive license to a broad range of OCT technologies and applications from MIT and other entities. The LightLab mission is to develop and distribute photonic imaging technologies that improve patients’ wellbeing, enhance diagnostic medicine, improve outcomes, and reduce healthcare expenditures. With the ability to resolve real-time images to 15 micrometers, the LightLab Imaging OCT Imaging Systems offer physicians more precise information than ever before. For more information, visit www.lightlabimaging.com.

About LightLab OCT

LightLab Optical Coherence Tomography (OCT) is the Extreme Resolution™ imaging technology for cardiovascular disease diagnosis. LightLab OCT utilizes near-infrared light to create images with 10 times the resolution of Intravascular ultrasound (IVUS). The proprietary LightLab OCT interferometer analyzes reflected light waves to create our extreme resolution Golden Image™ for enhanced diagnosis and treatment decisions.

The bandwidths of infrared light utilized for OCT are far higher than ultrasound, resulting in greatly increased image resolution. In fact, LightLab OCT provides intravascular images with 15 µm axial resolution, about twice the size of a red blood cell. Despite providing this extreme resolution LightLab OCT is a radiation-free* imaging medium.

*OCT is not a source of ionizing radiation, such as X-rays.

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