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VIATRONIX' V3D-VASCULAR IMAGING TECHNOLOGY: NON-INVASIVE TOOL FOR DIAGNOSING ANEURYSMS AND OTHER LIFE THREATENING DISORDERS

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STONY BROOK, NY – There are more than 90,000 miles of blood vessels running through the average adult body, making the vascular system one of the most complex features of human anatomy for clinical analysis and for diagnosis of such life-threatening disorders as aneurysms and blocked arteries. But now there is a way for physicians to identify, trace, and examine individual vessels, specific sections of vessels, or the entire vascular system in a given patient with just the click of a mouse, thanks to the Viatronix V3D-Vascular diagnostic imaging solution.

Based on Viatronix' groundbreaking 2D/3D visualization software, the V3D-Vascular module permits radiologists to select and analyze vessel structures, from small coronary vessels to complete vascular systems, for quick assessment and diagnosis of abnormalities or disease. Using 2D images acquired through MR or CT, or 3D reconstructed x-ray images, V3D-Vascular generates detailed, user-manageable 3D images through a patented, post-processing procedure that is completed in a matter of minutes, requiring no user intervention. Those 3D images may then be segmented into individual vessels or sections, measured, analyzed, mapped, and archived for later review or reporting.

“Because it is totally non-invasive, V3D-Vascular offers a huge diagnostic advantage over the traditional angiogram, in which physicians must snake a catheter through a patient's body to inject dye into a specific blood vessel to be X-rayed for evaluation,” says Zaffar Hayat, COO of Viatronix. “Not only does V3D-Vascular eliminate the inherent risks of an invasive procedure, it is also the only vascular post-processing solution that uses automatic algorithms to segment entire vascular systems and analyze even the smallest vessels with ease. With its clear 3D visualizations and fully automated measurements, radiologists are able to more efficiently and effectively evaluate and diagnose a variety of vascular abnormalities and diseases, including stenosis (narrowing of the vessel), hard and soft plaque, as well as aneurysms.”

The Viatronix V3D-Vascular system provides a simplified image management tool that enables physicians to instantly separate vessel structures from other anatomical structures, for a clear visualization of anything from the tiniest coronary arteries to entire vascular trees. A wide range of built-in productivity tools then allow clinicians to select and label multiple vessels of interest, take automated measurements, conduct a 3D endoluminal “fly-through” of a vessel,

and other functions. The proprietary “e-cleanse” feature hides calcified plaque, leaving the remaining blood lumen clearly visible for physicians to examine. For greater ease of use, an analysis screen offers multiple 2D and 3D simultaneous views showing detail of any section, vessel lengths, and an overview for 3D orientation. All the tools are combined into a workflow-optimized clinical solution that accelerates interpretation time and streamlines diagnosis.

V3D-Vascular is part of a suite of diagnostic tools developed by Viatronix to enable accurate and efficient diagnoses through non-invasive procedures and advanced diagnostic software. The company’s premier system, V3D-Colon, a virtual colonoscopy system, has been recognized in independent studies as the most effective and accurate of the virtual colonoscopy systems currently in the market.

About Viatronix, Inc.

Viatronix is a leading innovator and developer of diagnostic 3D imaging software, which enables physicians to interactively view patients’ vital organs and anatomical structures. The Viatronix PACS-integratable V3D-Explorer has patent protected technology that enables 3D visualization of organs from patient data acquired by standard imaging equipment via minimally invasive or non-invasive methods. The Viatronix V3D-Colon allows physicians to interactively view the colon reconstructed from a CT scan, providing visualization of the inner surface of the colon, including polyps. The Viatronix V3D-Calcium Scoring aids physicians in determining the amount of calcium plaque accumulation in the coronary arteries. Viatronix, through application of its V3D technology, is developing additional innovative products that will be useful for earlier detection of diseases, treatment planning, and follow-up evaluation.

Viatronix, Inc. is located in Stony Brook, NY. For further information, call toll free (866) 887-4636 or log on to www.viatronix.com.

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