

New Healthcare Technology Saves Lives With Rapid Cardiovascular Incident Detection

Source: *Pertexa, Inc.*

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Newly developed cardiac monitor, desperately needed in rural areas, will detect and display patient information faster than ever, combining previous methods with near instantaneous results

PRLog - RIDGECREST, Calif. -- Hundreds of thousands of Americans suffer the most serious type of heart attack each year, where blood flow is completely blocked to essential areas of the heart. Unless the blockage is eliminated quickly, death or severe permanent heart damage is highly likely. With mortality rates in rural America higher than those in urban areas because of access to medical facilities, a new alliance between RITA (Robotic Intelligent Telehealth Assistant), RADEKAL (Nations leading Physician Productivity tool) and VectraCor, Inc. will create a telemedicine system, allowing much more rapid diagnosis in rural areas to facilitate acute cardiovascular care where immediate response is critical for survival.

“The integration of our delivery Service models with RITA means we can offer a managed solution to the Hospitals and clinics in these areas” said Kishor Joshi, CEO of Pertexa. Cardiac conditions are by far the biggest killers of Americans. Annual costs were \$320B in 2011 (\$196B for direct treatment and \$125B in loss of productivity).

VectraCor has developed and patented an enhanced cardiac monitor with only 3-leads (5-electrodes) that diagnoses and displays STEMIRisk as a number in real time, as well as heart rate and cardiac dysrhythmias. Coupling with Pertexa’s RITA and RADEKAL will allow ‘On demand’ telemedicine specialty cardiology assistance in areas with minimal or no cardiology capability. In a cardiovascular episode where every second counts, this system quickly circumvents the requirements of waiting for a 12-lead ECG, for the laboratory analysis for cardiac biomarkers in the blood, and for an in-person or telephone cardiology consultation.

Pertexa, Inc. is a next-generation medical technology company headquartered in Ridgecrest, California that creates and distributes advanced technology including RITA and Radekal, the nation’s leading Physician’s Productivity Tool that increases productivity by 30%. By combining both hardware and app development for worldwide medical use, Pertexa is an innovative brain trust that advances transformational technologies for an evolving healthcare environment.

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