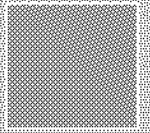




USCOM



USCOM PROVEN IN U.S. EMERGENCY STUDY

Wednesday, 28 September, 2005: USCOM Limited (ASX code: UCM), today announced the presentation of significant new research demonstrating the application of USCOM in emergency medicine.

The study, conducted at the Loma Linda University Medical Centre in California, was presented yesterday at the Scientific Assembly of the American College of Emergency Physicians in Washington DC, the world's largest and most prestigious emergency medicine conference.

The study was designed to test the reliability and reproducibility of the USCOM cardiac output monitor in a busy ER setting, among a wide range of operators, including nurses, students, physicians and paramedics.

The abstract objectives stated, *"The ultrasound cardiac output monitor (USCOM Ltd, Australia) has been shown to be a potential non-invasive alternative to the pulmonary artery catheter as a hemodynamic monitoring tool."*

Blinded measurements of Cardiac Index and Stroke Volume Index were taken from 104 emergency department patients by 44 different operators, achieving good agreement between pairs of operators.

The paper concludes by saying, *"The USCOM is a feasible non-invasive hemodynamic monitoring device in the ED with acceptable inter-rater agreement when utilized by ED personnel involved in patient care."*

One of the co-authors of the paper is Dr Bryant Nguyen, a leading authority in emergency care management and the second co-author of the influential "Rivers" paper, a ground breaking study demonstrating the advantages of Early Goal Directed Therapy in the management of emergency patients.

The Chief Executive of USCOM, Mr Gary Davey said, *"This is a significant result for USCOM. It shows that every staff member of an emergency department can reliably use the USCOM machine to non-invasively measure vital heart function information. We are especially excited to see such outstanding results from a prestigious site such as Loma Linda."*

About USCOM:

The USCOM monitor is a custom-designed patient management tool for the optimisation of hemodynamics.

Using the proven science of CW Doppler Ultrasound and validated algorithms, USCOM provides real-time beat-to-beat information across 10 parameters of cardiac function, including Cardiac Output (CO), Cardiac Index (CI), Heart Rate (HR), Stroke Volume (SV) and Systemic Vascular Resistance (SVR). The validated USCOM method is completely non-invasive and accurately measures flow for both right and left heart, providing therapeutic guidance for pre-load, contractility and afterload.

The device is ideally suited to the Emergency Care setting. The operator can assess cardiac flow within seconds of start-up. And with USCOM's advanced serial measurement capabilities, clinicians can accurately quantify the impact of therapy. USCOM has an especially important role in fluids management, allowing the clinician to assess, in real-time, the changes in cardiac output as fluids are applied. This puts USCOM in a potentially pivotal role in the implementation of Early Goal Directed Therapy (EGDT), a new approach to Emergency Care, providing improved outcomes and reduced costs through the early optimisation of cardiovascular hemodynamics.

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