USCOM LTD
Ultrasonic Cardiac Output Monitors

USCOM RELEASES BLOOD FLOW STUDY

January 30, 2004: USCOM Limited (ASX Code: UCM) today released an important paper relating to the company's patented method of calculating the volume of blood pumped by the human heart.

USCOM is the developer and manufacturer of the USCOM Ultrasonic Cardiac Output Monitor, an accurate, reliable and completely non-invasive device for the measurement of cardiac output.

Utilizing Continuous Wave Doppler Ultrasound, the USCOM system has been validated as a highly accurate method of providing real time information across 9 different parameters of cardiac function.

An essential component of the system is the company's unique process for calculating the volume of blood pumped by each beat of the heart, converting the velocity of blood flow into volume.

In a scientific abstract released today, the company outlined its patented algorithm, based on the height of the patient, which is accurate for patients aged from 6 days to 76 years. In addition, USCOM has developed a similar unique method for the measurement of cardiac flow volumes in the foetus and pre-term babies.

The paper, titled *"A 2D independent, CW Doppler echocardiographic algorithm for determination of transpulmonary and transaortic flow volumes in adults and children"* was co-authored by the Chairman of USCOM, Mr Rob Phillips, Professor Malcolm West of the University Of Queensland and Associate Professor Darryl Burstow of the Prince Charles Hospital, Brisbane.

The USCOM algorithm was first presented to the Asia Pacific Congress of Doppler and Echocardiography, run in association with the Asia Pacific Congress of Cardiology in Singapore on January 13, 2004.

Commenting on the paper today, the Chief executive of USCOM, Mr Gary Davey said: *"This is the culmination of 5 years intensive research by Rob Phillips in finding more accurate and reliable ways of measuring blood flow volumes. It is a core component of the USCOM system and represents a major advancement in the field of haemodynamics. We are especially excited about the application of this research in advancing the study and understanding of the haemodynamics of babies, even before birth."*

USCOM has filed patent applications for its blood flow algorithms internationally and in the United States.

For more information, please contact;
Gary Davey
Chief Executive Officer
(02) 9299 3370.