

Study: Uscom protocol slashes sepsis death

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Singapore: Non-invasive cardiac monitoring company Uscom announced the international presentation of independent data that confirms significant life-saving and cost reduction associated with Uscom guided treatment of sepsis and septic shock.

The study of a six-year Australian national ICU practice audit database by Professor Brendan Smith of Charles Sturt University was published in the latest edition of the international journal *Critical Care Medicine* and presented at the Society of Critical Care Medicine Annual meeting in Puerto Rico. The Society of Critical Care Medicine is the largest multiprofessional organization dedicated to ensuring excellence and consistency in the practice of critical care. The Society represents over 16,000 members in over 100 countries.

The study found that the Bathurst USCOM Hemodynamic (BUSH) protocol reduced mortality by 94 percent and management costs by 45 percent over the six-year study period. The study concluded that if the Bush protocol results were duplicated, Australia wide the savings would have been 8,237 lives and \$1.01 billion.

Professor Smith said, "These results demonstrate a potential new gold standard for the management of sepsis and we are now looking to share our experience and improve care in Australia and worldwide."

Data from septic shock patients treated across Australia and in Bathurst between 2007-12 were extracted from the Australian and New Zealand Intensive Care Society (ANZICS) Center for Outcomes and Resource Evaluation (CORE) database and was analysed for trends in mortality, morbidity, emergency transport costs and cost of hospital stay. The database was established as benchmark for clinical standards of practice.