

TRENDS & TECHNOLOGY

SAFEOP AUTOMATED NEUROMONITOR

Alphatec, introduced SafeOp automated neuromonitoring system for use in real-time intraoperative nerve location and assessment. The system relies on somatosensory evoked potential (SSEP) and and electromyography (EMG) as the two complementary modalities, one for evaluating the functionality of nerves and the other their location and conductivity.



<http://www.safeop.net/safeop-s-solution/>

Philips V60 Plus Non-Invasive Ventilator with High Flow Therapy

Typically high flow therapy is not available in a non-invasive ventilator, requiring frequent switching in the ICU, slowing delivery of therapy, causing hardship for patients, and eating into clinicians' time. This device helps clinicians to quickly adjust therapies according to the condition of patients without switching devices.

V60 Plus is designed for early intervention in respiratory failure and enables clinicians to improve patient outcomes with less invasive respiratory care therapies.



MASIMO'S RAD-67

PULSE CO-OXIMETER WITH HEMOGLOBIN SPOT-CHECK

Masimo's Rad-67 Pulse CO-Oximeter with Spot-check Next Generation SpHb monitoring technology is a portable device that allows spot-check monitoring measurements of both oxygen saturation and noninvasive hemoglobin. It is convenient for use in multiple clinical and non-clinical settings, such as emergency rooms, pre-/post-surgery settings, and physicians' offices.

It's controlled via a touch-screen interface changes its brightness. All the measurements are saved and organized by patient, while wireless capability allows the Rad-67 to upload its data to the hospital's electronic medical records.



BUTTERFLY IQ MULTI-PURPOSE POCKET-SIZED ULTRASOUND

The product consists of a transducer that plugs right into an iPhone or iPad via the Lightning port, and

uses a matching app to display live images, change settings, and review previously obtained scans. It can scan the entire body and allows doctors to do a variety of things for which previously they had to rely on several different pieces of equipment. They can place lines, understand a patient's cardiopulmonary status, guide fluid resuscitation, identify internal bleeding in trauma patients, and guide procedures of all kinds.

PLASMATYPHOON

PENTAX Medical has unveiled a new endoscope processing and storage solution that helps to eliminate any chance of bacterial infections. It delivers ultra-fast drying of the channels of the endoscope and is then used to store endoscopes within special PlasmaBAGs. The drying is done within five minutes and safe storage within the bag is guaranteed for up to a month.



LIFEPAK CR2 DEFIBRILLATOR

It is able to analyze the stricken patient's electrocardiogram (ECG) while someone is performing chest compressions. Normally, movements and another person's electrical signals would confuse a defibrillator, but the cprINSIGHT technology within the LIFEPAK CR2 manages to identify the source of the electrical signals and separates the two.



<https://www.physio-control.com/WCProductDetails.aspx?id=2147498014&langtype=2057>

HEMASHOCK AUTO-TRANSFUSION TOURNIQUET

HemaShock is a tight silicone ring attached to a pressure stocking, wrapped into a doughnut and has a set of handles. The operator puts the doughnut over the foot or hand, and pulls on the handles to unravel the HemaShock while applying pressure throughout the appendage. It takes one person about thirty seconds to put on the HemaShock.



It's indicated for a systolic blood pressure of less than 80 mmHg with hemodynamic shock or circulatory arrest, and can be applied even while the patient is being transported inside an ambulance.

<https://www.hemashock.com/>