

TRENDS & TECHNOLOGY

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Ambu® aScope 3

A m b u ® aScope™ 3 is single-use so is always available, cost-efficient and sterile straight from the pack.



The aScope™ 3 line is available in two sizes. When connected to the aView™ monitor, high-quality images make it easy to navigate and identify anatomic landmarks. Source: Ambu Inc., 6230 Old Dobbin Ln., Ste. 250, Columbia, MD 21045 Website: www.AmbuUSA.com

Flow-Safe® II

Flow-Safe II is a completely disposable CPAP system that consumes more than 50% less oxygen while delivering consistent CPAP pressures and high FiO2 delivery. Used with congestive heart failure and COPD patients in the emergency area and for the sleep apnea and obese patients in the PACU for improving work of breathing and gas exchange.



Source: Mercury Medical, 11300 49th St. North, Clearwater, FL 33762 Website: www.mercurymed.com

Astotherm Plus & Astoflo Plus eco

Astotherm Plus and Astoflo Plus eco bring blood and IV fluids to normal temperatures with little to no disposable waste. Astotherm Plus uses an economical tubing extension set, and Astoflo Plus eco warms fluids directly within the patient's standard tubing. The lack of disposables eliminates waste and adds up to significant savings. Both warmers are fast and easy to set up, and precise.



Source: Futuremed, 15700 Devonshire St., Granada Hills, CA 91344 Website: www.futuremed.com

Neofuser®

Neofuser® is a single use, portable elastomeric infusion pump that provides

medication at either accurate continuous pre-fixed flow with additional bolus doses via patient controlled analgesia (PCA) module or multirate infusion pump therapy for systemic or regional pre and postoperative pain management.



Source: Admiralitätstraße 6020459 Hamburg, GERMANY Website: www.promecon-medical.com

TetraGraph

TetraGraph allows anesthesiologists to Monitor Neuromuscular Block during Surgery. The device electrically stimulates a peripheral ulnar nerve and detects how the related muscles are reacting electrically (electromyography, aka EMG). Can be used under the surgical drape as no access to the thumb is necessary and since it's battery powered, it can be placed just about anywhere.



Source: Ulls väg 29 B, 756 51 Uppsala, Sweden Website: www.senzime.com

Inscope Direct, The First Laryngoscope with Built-In Suction

Inscope Direct, a laryngoscope with built-in suction capability is apparently the first device to integrate controllable suction within a laryngoscope. Its two suction inlets can help speed up patient intubation, particularly during emergencies. It works with standard tubing and can be connected to either wall or portable suction. The Inscope Direct is disposable, easy to use and its controllable suction in the mouth throughout procedures keeps the right hand free to focus on passing the endotracheal tube.



Source: Inscope Medical Solutions, Jeffersonville, Indiana, Website: http://inscopemedical.com/

NMS 460 Peripheral Nerve Stimulator for Pain Relief

NMS 460 peripheral nerve stimulation system is used to address chronic

intractable pain, post-surgical pain, post-traumatic acute pain, and for pain control arising from rehab routines.

It delivers a hybrid pulsed radio frequency (PRF) waveform, through the skin via an accompanying stylus. The company claims that the resulting electromagnetic effects are similar to the ones that implanted neurostimulators generate, delivering some of the benefits of such devices without their invasive nature.



The device also has a nerve mapping probe that helps to spot damaged nerves, and to assess their state and how they're responding to treatment.

Source: Xavant Technology (Pty) Ltd, Pretoria, South Africa

CompuFlo Epidural Anesthesia System

Milestone's DPS Dynamic Pressure Sensing Technology provides precise and continuous measurement of the pressure at the tip of the syringe, both helping to guide anesthesiologists when accessing the epidural space and recording the procedure for any post-op review. The device provides both visual and audio feedback regarding the pressure levels in the needle.



Source: Milestone Scientific, Inc., New Jersey Website: www.milestonescientific.com

Ultrathin and Flexible Microfiber Sensor

National University of Singapore has developed an ultrathin, flexible microfiber sensor that can be worn on or placed next to the skin. The device can provide information on heart rate, BP, and stiffness in blood vessels, and may one day replace bulky BP and heart rate monitors and can be used as a component in wearable devices that provide continuous health monitoring, diagnostics, and monitoring the force exerted by pressure bandages.



Website: http://news.nus.edu.sg