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PRODUCT NEWS

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SURGERY TABLE DRE Medical



The DRE Torino 550 comes with durable casters and braking system for efficient transport to different surgical rooms during a procedure. It features a longitudinal slide up to 350mm, and its electronic adjustments allow surgeons to easily position the patient for various procedures.

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VIDEO LARYNGOSCOPE Karl Storz



The C-MAC features the Universal C-MAC system interface specially adapted to airway management and makes reprocessing possible up to 93 degrees centrifuge. Other features include high stability and resistance to impact, and one-button control with BlueButton for documentation.

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PORTABLE SUCTION UNIT Hersill



The V7 range of portable suction units comes with an ergonomically designed ABS case with handle, and rear anchorage tested to resist up to 10 g. It features an oil-free and zero maintenance piston pump, vacuum control knob and water-resistant on/off switch, and is available in four models.

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Minimally Invasive Solution Alleviates Chronic Tendinosis

An innovative disposable surgical instrument uses targeted ultrasonic energy to address tendinosis of the shoulder and hip by removing soft tissue.

The Tenex Health TX system is designed to execute percutaneous tenotomy in patients who suffer from soft tissue tendon pain. Following administration of a local anesthetic, gentle ultrasonic energy is used to safely breakdown and remove the damaged tissue via a MicroTip, which requires only a micro-incision to reach the damaged tissue. Because the incision is so small and the ultrasonic energy precisely treats only damaged tendon tissue, surrounding healthy tissue is left unharmed, and patients enjoy faster recovery times when compared to traditional open surgical procedures.

The system is controlled by the proprietary Tenex Health TX console, a portable, self-contained device that includes a one-step, easy-load tubing set and a quick, one-touch prime cycle. Simple touch-

screen controls lead the operator through a treatment interface, with computer-guided programming instructions and at-a-glance parameter and user settings. The interface also includes smart safety features and a single-use, preassembled hand-piece system to hold a disposable TX MicroTip.

Two MicroTips are available, the TX1 and TX2, with the TX2 being an extended length version of the TX1 that allows physicians to complete the procedure in regions of the body not typically accessible by the shorter instrument. The most common problem is some soreness after the procedure, which can be treated with over-the-counter (OTC) pain medication, and typically lasts for a short period of time. The TX system is a product of Tenex Health (Lake Forest, CA, USA; www.tenexhealth.com), and has been approved by the US Food and Drug Administration (FDA).

"The TX1 MicroTip has enjoyed tremendous clinical success in treating over 35,000 patients in

the US since its introduction in 2012," said Bernard Morrey, MD, chief medical officer of Tenex Health. "Only a small portion has been treated with shoulder or hip tendinosis, due to the inaccessibility of the deeper tissues to the TX1 MicroTip. The length and design of the TX2 MicroTip is well poised to effectively treat a large number of patients with a spectrum of conditions in these anatomic areas."

"The TX System using the TX1 MicroTip has been used by physicians for the past few years and demonstrated to be effective in treating chronic tendinosis in a variety of body parts. The longer needle associated with the TX2 product will provide physicians the needed technology to definitively treat chronic tendinosis in the shoulder and hip," said James Andrews, MD, of the Andrews Institute (Gulf Breeze, FL, USA). "Soft tissue injuries in both of these body parts are well suited to be treated through a minimally invasive approach using the TX2 product."

Vitamin D Supplements Effect Fetal Bone Health Only in Winter

A new study concludes that recommended vitamin D supplementation during pregnancy has no significant effect on the bone density of babies during the summer months.

Researchers at the University of Southampton (United Kingdom; www.southampton.ac.uk), the University of Oxford (United Kingdom; www.oxford.ac.uk), and other institutions participating in the Maternal Vitamin D Osteoporosis Study (MAVI-

weeks of birth by dual-energy X-ray absorptiometry (DXA), analyzed in all randomly assigned neonates who had a usable DXA scan. Safety outcomes were assessed in all randomly assigned participants. The results showed that there was no significant difference in BMC and bone mass between the babies born to women supplemented with vitamin D and those who had taken placebo.

Further analysis that took into account the sea-

sonal variation in sunlight is published in *Diabetes & Endocrinology*.

"Since sunlight is our most important source of vitamin D, mothers' levels of vitamin D tend to drop from summer to winter, and babies born in the winter months tend to have lower bone density than those born during the summer," said study coauthor Prof. Nicholas Harvey, MD, of the University of Southampton. "Supplementing mothers with vitamin D during pregnancy counteracts the sea-

