Industry news

Cutting guides for total knee arthroplasty
Stryker Orthopaedics’ ShapeMatch Cutting Guides (A) have received 510(k) clearance from the U.S. Food and Drug Administration (FDA) for use with the company’s Triathlon Total Knee System. The single-use guides are designed and manufactured from patient-specific three-dimensional (3-D) imaging data derived from magnetic resonance imaging or computed tomography scans. ShapeMatch technology uses proprietary 3-D imaging software to develop a customized preoperative surgical plan for each patient. After surgeon approval, the plan is then used to develop cutting guides for the individual patient.

For more information, visit www.stryker.com

System protects air at surgical site
The recently FDA-cleared Air Barrier System™ (ABS) from Nimbic Systems is designed to reduce surgical incision site contamination caused by microorganisms during orthopaedic joint replacement and revision procedures. Using proprietary technology, ABS reportedly creates a highly localized zone or “cocoon” of protective air at the surgical site that isolates the incision from ambient air and prevents the bacteria present in the operating room atmosphere from reaching the surgical site, without disrupting surgical procedures or impeding access to the incision area.

The system consists of a non-sterile, reusable blower unit and a sterile disposable nozzle that, when affixed to the surgical drape near the incision, is designed to emit HEPA-filtered air over the surgical site and shield the incision from airborne bacteria.

For more information, visit www.nimbicsystems.com

Dual mobility hip system receives FDA clearance
Biomet, Inc.’s Active Articulation™ E1™ Dual Mobility Hip System merges dual mobility with E1 Antioxidant Infused Technology for increased strength and oxidative stability. According to Biomet, using the system provides reduced risk of dislocation, large range of motion, ultra-low wear, and a clinically proven cup.

For more information, visit www.biomet.com

Bone marrow aspiration kit
The MARROWMAX™ Bone Marrow Aspiration Needle Kit (B) from Medtronic, Inc., helps surgeons collect bone marrow and/or autogenous blood from marrow-rich sites to hydrate synthetic bone grafts. With MARROWMAX™, the surgeon inserts a hollow needle into the bone marrow cavity through a skin incision and uses a syringe to draw a sample of the bone marrow liquid into the hollow needle. The kit is available in three sizes to accommodate a variety of draw sites, and the multi-holed cannula allows for simultaneous marrow draws at the same position.

For more information, visit www.medtronic.com

System prepares PRP at point-of-care
ThermoGenesis Corp.’s Res-Q™ 60 System technology has received 510(k) clearance from the FDA for use in the preparation of autologous platelet-rich plasma (PRP) from a small sample of a patient’s blood taken at the point-of-care. The Res-Q 60 technology is a point-of-care platform designed for the preparation of cell concentrates; a slightly modified version has been designed for use with peripheral blood in the preparation of a PRP concentrate.

For more information, visit www.thermogenesis.com

Orthopaedic application for iPad
InVivoLink’s new OrthoPod application allows orthopaedic surgeons to access their personal implant registry and practice pattern data via their iPad (D). OrthoPod connects the physician, hospital, and implant distributor, resulting in a clinical integration platform that saves time, provides visibility into quality initiatives, and enables caregiver collaboration, according to the manufacturer.

For more information, visit www.invivolink.com

Extremity MR scanner
GE Healthcare’s Optima MR430s 1.5T extremity magnetic resonance (MR) scanner (E) is designed for precise imaging and patient comfort. Measuring 222 square feet, the compact system delivers 70mT/m of strength and 300T/m/s of slew rate. Short echo spacing and a high signal-to-noise ratio (SNR) enable the system to produce high-resolution images of the arm, including the elbow, wrist, and hand; or the leg, including the knee, ankle, and foot, states GE. The scanner features a padded, adjustable patient chair and six iso-centric dedicated radiofrequency coils to accommodate a full range of patient sizes and anatomies. The system’s design reportedly ensures that the targeted anatomy is precisely positioned at the magnet’s isocenter, increasing SNR for high image clarity even in small anatomies.

For more information, visit www.gehealthcare.com

ALIF system features patented fixation technology
Alphatec Spine, Inc. has received FDA 510(k) clearance for its Solus Anterior Lumbar Interbody Fusion (ALIF) system. Solus’ patented fixation technology reportedly allows for enhanced segmental stability with a simplified surgical technique, while providing for substantial spacing to add bone graft. System features include multiple footprints and lordotic angles and counter rotating blades, providing four points of fixation.