

BIOCOMPOSITE INTERFERENCE SCREW

CONMED Corporation's CONMED Linvatec arthroscopy unit recently announced the release of its New GENESYS™ Matryx® Biocomposite Interference Screw. The new interference screws represent the latest advancement in biocomposite material technology through a proprietary micro-filtration process. This process allows CONMED Linvatec to produce one of the smallest biocomposite interference screws available on the market today for primary fixation of anterior cruciate ligament (ACL) and posterior cruciate ligament (PCL) grafts.

Interference screw fixation is frequently used in the reconstruction of a failed ACL or PCL. The placement of the screw and ligament into the bone tunnel allows the tissue to be held in place and encourages natural healing of the ligament. The GENESYS Matryx Interference Screw facilitates bone formation due to the presence of the bone precursor Beta TriCalcium Phosphate, resulting in bone reconstruction and integration of the replacement ligament.

While the GENESYS Matryx Interference Screws are indicated for soft-tissue fixation in ACL and PCL reconstructions, the smaller diameter screws are also indicated for reattachment of soft tissue to bone, providing versatility for repair in other areas of the body.

For more information, contact CONMED Linvatec, 525 French Road, Utica, NY 13502; phone (315) 797-8375; (fax) 315-797-0321; <http://www.conmed.com>

STEERABLE NEEDLE

Osseon® Therapeutics, Inc. has launched the Osseoflex®SN steerable needle. The Osseoflex®SN allows direct unipedicular access to the entire vertebral body. The Osseoplasty™ procedure offers flexibility and control for percutaneous vertebral augmentation, cement delivery, and fracture stabilization, resulting in significant pain relief for most patients.

Osseon® Therapeutics currently markets Osseoflex®SN (steerable needle), Osseoperm® (bone cement), Osseoflex®DR (steerable bone drill), Osseoflex®BT (steerable bone tamp), and Osseoflex®Access (bone access kit)—a suite of products meant to provide biomedical devices for physicians who treat vertebral compression fractures due to osteoporosis, myeloma, and acute osteotraumatic injuries.

To learn more, contact Osseon® Therapeutics, Inc., 2330 Circadian Way, Santa Rosa, CA 95407; phone (877) 567-7366 or 877-5OSSEON; fax (707) 636-5941; <http://www.osseon.com>

CUSTOMIZED INSTRUMENTATION

DePuy Orthopaedics, Inc. has received 510(k) clearance from the US Food and Drug Administration (FDA) for use of TRUMATCH® Personalized Solutions with the company's SIGMA® Fixed-Bearing Knee System, one of the most widely used knee systems in the world.

TRUMATCH Personalized Solutions, which is available immediately, is a surgical instrumentation and computer software system designed to aid in knee implant positioning and procedure efficiency. TRUMATCH Solutions helps reduce costs by decreasing operating room time by an average of 35 minutes.¹ Procedures require less instrumentation and eliminate up to 9 surgical steps compared with total knee arthroplasty performed without TRUMATCH Solutions.

TRUMATCH Solutions is the first system to utilize computed tomography (CT) scans and computer software to guide the development and production of femoral and tibial cutting blocks that are individually prepared to match the actual bone surfaces of each patient. Precise positioning of the knee implant is critical to its overall performance.²⁻⁵ Also, the use of CT scans, rather than magnetic resonance imaging, results in improved bone imaging, less scanning time, and lower costs.⁶

The FDA clearance of TRUMATCH Solutions was based in part on

mechanical and alignment accuracy testing. TRUMATCH Solutions is also available in 12 other countries.

The SIGMA® Knee System has been provided for nearly 1 million patients.⁷ One study has shown that 10 years after surgery, 99.6% of patients still depend on SIGMA Knees with the fixed-bearing option in their daily lives. In the same study of patients 5 to 10 years after surgery with Fixed-Bearing SIGMA Knee implants, most reported that the surgery had resulted in excellent relief of pain, improved range of motion, and better function of the knee.⁸ The same results were found in another study of patients 5 to 10 years after surgery with Fixed-Bearing SIGMA Knee implants.⁹

Fixed-bearing knees are the most widely used knee replacements in the US today. The SIGMA Knee with fixed-bearing option is a leader in this type of knee system. SIGMA Fixed-Bearing Knees are based on the clinically proven P.F.C.® Knee.¹⁰

To learn more, contact DePuy Orthopaedics, Inc., 700 Orthopaedic Drive, Warsaw, IN 46582; phone (800) 473-3789; fax (574) 371-4865; <http://www.depuy.com>

1. Data on file at DePuy. Operating room time includes preparation, operating room, and turnover time.
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