Total Foot System and Hip Fracture Nail System

DePuy Orthopaedics, Inc. announced 510(k) clearances from the US Food and Drug Administration (FDA) for the A.L.P.S. Total Foot System and the AFFIXUS™ Hip Fracture Nail System.

A next generation system of anatomic plates designed specifically for foot surgery, the A.L.P.S. Total Foot System includes 9 anatomically contoured plates and both locking and nonlocking screw options for use in reconstructive and trauma procedures of the forefoot, midfoot, and hindfoot. The new plating technology enables intraoperative customization to accommodate patient-specific anatomy without compromising strength. Advanced screw technologies in the system offer surgeons the ability in select plates to choose from up to 5 different screw options for the locking holes.

The AFFIXUS Nail System is a new set of short and long nail and screw options and instrumentation for the treatment of proximal femoral fractures. The System offers an extensive range of neck and shaft angles, distal diameters, nail lengths, and locking options to help surgeons better customize procedures to address the variations in individual patient anatomy. The AFFIXUS Nail System, which is used with a single set of user-friendly instruments, combines the principles of a compression hip screw with the biomechanical advantages of an intramedullary nail.

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

Demineralized Bone Matrix

Integra LifeSciences Holdings Corporation announced the launch of Trel-XPress™ Demineralized Bone Matrix. Powered by Accell® technology, Trel-XPress™ is composed of an optimized blend of particulate demineralized bone matrix (DBM), Integra's proprietary Accell® Bone Matrix, and a reverse phase medium poloxamer. ABM is an open structured and more dispersed form of DBM than standard DBM. The resultant scaffold provides a high surface area environment that encourages bone formation.

Trel-XPress™ Demineralized Bone Matrix offers an alternative to bone graft material harvested from a patient during orthopedic extremity reconstruction surgeries. It may reduce the need to harvest the patient's own bone and the need for additional surgery and limit the risk of associated complications.

For more information, contact Integra LifeSciences, 311 Enterprise Drive, Plainsboro, NJ 08536; phone (609) 275-0500; http://www.integralife.com

Suture Anchors

CONMED has introduced 2 types of suture anchors: The CrossFT BC™ - Biocomposite Suture Anchor for Rotator Cuff Repair and 2.8 and 3.3 mm PopLok®Knotless Suture Anchors.

The CrossFT BC™ System is designed for primary, medial, or lateral fixation in rotator cuff repair. These anchors are comprised of CONMED Linvatec's proprietary MicroTCP technology, offering increased absorption speed when compared to other market alternatives. The product's design is constructed of a dual thread profile for optimized fixation in different bone densities. In addition, it is the smallest triple-loaded biocomposite rotator cuff anchor available, allowing for less invasive and more versatile repairs.

The 2.8 and 3.3 mm PopLok® Knotless Suture Anchors are ideal for repair of the labrum in both the shoulder and hip. Capable of being single and double loaded with CONMED Linvatec's HiFi® High Strength Suture, the deployable anchors are designed to be small and versatile. The 2.8-mm design is the smallest size double loaded knotless anchor available. The PopLok® Knotless design traps sutures within the anchor providing secure fixation regardless of bone quality. Internal testing demonstrated a 99.99% probability of secure suture fixation.

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

Steerable Bone Tamp

Osseon® Therapeutics has announced the launch of the Osseoflex BT Steerable Bone Tamp, which is designed to allow percutaneous access to sclerotic bone. The Osseoflex BT features the same proprietary technology found in the Osseoflex® Steerable Needle and Osseoflex® DR Steerable Drill. The Osseoflex BT articulates up to 60 degrees and, when used in conjunction with the Osseoflex Needle, the Bone Tamp allows unipedicular access to vertebral compression fractures previously considered inaccessible due to dense, sclerotic bone or malignant tissue. The Bone Tamp also provides clinicians with a percutaneous access option to cancellous bone in other areas of the body.

For more information, contact Osseon, 2330 Circadian Way, Santa Rosa, CA 95407; phone (877) 567-7366; fax (707) 636-5941; http://www.osseon.com

The journal's New Products/Product News section does not evaluate or recommend products. The information published in this section is most often obtained from public news sources, including manufacturers' announcements.

Fracture Plate

Exactech, Inc. has announced it is fully launching the Equinoxe® Fx Plate, the latest addition to Exactech's Equinoxe® Platform Shoulder System.

A design team of surgeons and Exactech engineers worked to identify clinical shortcomings common to complex shoulder fractures and then collaborated to design an implant that addresses those clinical challenges, including the fracture plate's potential to reduce humeral head collapse following a traumatic injury to the shoulder. It also allows surgeons to deploy bone void filler after the plate is seated, which has been shown to minimize head collapse and improve outcomes in clinical practice.

The fracture plate offers surgeons multiple screw/blade configurations and robust instrumentation to treat a broad spectrum of proximal humerus fractures with a wide array of surgical technique preferences. The contoured design allows suture placement after the plate is secured.

For more information, contact Exactech, Inc., 2320 NW 66th Court, Gainesville, FL 32653; phone (800)EXACTECH; fax (800)FAX-EXAC; http://www.exac.com

Demineralized Moldable Scaffold

Wright Medical Group, Inc. has announced the full commercial launch of FUSIONFLEX™ Demineralized Moldable Scaffold. FUSIONFLEX™ scaffold is a novel form of demineralized bone matrix made from 100% allograft. It is designed for use in conjunction with hardware in primary fusion procedures of the lower extremities, as well as other orthopedic bone grafting applications. FUSIONFLEX™ scaffold expands Wright's market-leading portfolio of hardware and orthobiologic products for the orthopedic foot and ankle surgeon, and will be made available immediately in the United States through Wright's specialized foot and ankle sales force.

FUSIONFLEX™ scaffold builds on the clinically-proven safety and efficacy of Wright's allograft platform, and our long-standing partnership with AlloSource. The FUSIONFLEX™ scaffold quickly hydrates and becomes a flexible, absorbent matrix which is easily compressed to fit into challenging spaces, yet robust enough to expand to match nearly any contour within the space.

To learn more, contact Wright Medical Technology, Inc., 5677 Airline Road, Arlington, TN 38002; phone (800) 238-7117; fax (901) 867-9534; http://www.wmt.com

Bone Graft Delivery Device

Micromedics, Inc., a Nordson Company, has introduced a 15cc Graft Delivery Device, the first product in their new OsteoXpress™ line of bone grafting devices. These devices facilitate the mixing of bone graft material used in orthopedic surgical procedures.

The continued growth in the global orthopedic market is due to a number of factors, including the aging population, the increase of orthopedic surgery at an earlier age, physiological problems due to the increasing incidence of obesity, the development of better and longer-lasting implants and materials, as well as new procedures, in particular, minimally invasive procedures.[1]

Bone grafting materials are used to fill defects caused by trauma or surgical removal. The OsteoXpress™ Graft Delivery Device enables the surgical team to thoroughly and efficiently hydrate these materials for use in the operating room.

For more information, contact Micromedics, Inc., 1270 Eagan Industrial Road, St. Paul, MN 55121-1385; phone (800) 624-5662; fax (888) 504-0606; http://www.micromedics-usa.com

1. *The Complete Guide to the Global Orthopaedic Market* 2009. Princeton, NJ: Espicom; May 2009.

Surgical Mesh for Tendon Repair

Tornier has announced the launch of its BioFiber® Surgical Mesh for the repair of rotator cuff and other tendon injuries. Utilized to treat more than 100 patients since its limited commercial release in December 2010, the BioFiber Surgical Mesh complements Tornier's expanding line of biologic products for upper and lower extremity surgeons, including the Conexa™ Reconstructive Tissue Matrix that has been in clinical use since 2008.

Under development by Tornier for more than 3 years, BioFiber Surgical Mesh is distinguished by both its mesh design and polymer composition. The mesh is a proprietary 3-dimensional structure designed to provide a strong, but flexible, scaffold for cell migration and enhanced healing. The fibers of the mesh are derived from a new class of proprietary resorbable polymers called polyhydroxyalkanoates (PHAs).

Developed by Tornier's corporate partner, Tepha Medical Devices of Lexington, Massachusetts, the PHA family of resorbable polymers is characterized by a unique profile of strength, flexibility, and tissue compatibility that is ideal for a broad range of implantable medical devices.

For more information, contact Tornier, 7701 France Avenue South, Suite 600, Edina, MN 55435; phone (952) 426-7600; fax (952) 426-7601; http://www.tornier-us.com