S-Core™ HA Core-Preserving Osteochondral Reconstruction System Platform

Osteochondral fractures and disease (osteochondrosis) is a source of pain and progressive damage, leading to impairment of joint function and eventual osteoarthritis. Current procedures are inadequate in addressing the structural and metabolic functions of the underlying subchondral bone and the entire osteochondral unit. Sequelae such as subchondral bone hypertrophy, sclerosis, cystic changes, micro-architectural changes, and trabecular fractures continue to be factors that affect the bio-mechanical and biologic functions of the osteochondral unit. What the S-Core™ HA Bioactive Implant represents to the surgeon, and patient, is an option for a single-stage, minimally invasive, versatile and durable solution that allows early weight-bearing, mobilization; and return to un-impeded high-level activity, for either the weekend warrior, busy soccer mom, or professional athlete.

Features

- Hydroxyapatite Ceramic Coating - Bioactive
- Fenestrated for communication with adjacent marrow and tissue and fixation.
- Threaded for security
- Aspect Ratio -unique aspect ratio does not present issues for later procedures
- Versatile - 4-10mm in 1mm increments, to help address varying sized defects
- Easy and Efficient to use – standard cannulated screw guide-wire insertion
- Structural Support of the Bone
  Patented
- Cost Effective
- Reimbursement by most insurance



Indications for Use

The S-Core Screw System consists of screws and accessories and is generally intended for fixation of fracture, fusion and osteotomies of large and small bones appropriate for size of device. These large and small bones may include the following:
Minimally invasive reconstruction of fractures and joints; Adjuvant for osteosynthesis in complex joint fractures; Multi-fragment joint fractures; Simple metaphyseal fractures, Fractures of the wrist, ankle, elbow, and shoulder, Condylar fractures; Osteochrondritis dissecans, Ostero- Chondral Fractures, Ligament avulsion injuries, Ligament fixation, Other small fragment, cancellous bone fractures, Small joint fusion. Areas where accurate screw placement is vital. Metatarsal and phalangeal osteotomies; Fractures of the tarsals, metatarsals and other fractures of the foot; Avulsion fractures and fractures of metatarsal V; Tarso-metatarsal and metatarso- phalangeal arthrodesis; Tarsal Fusions; Calcaneal and talar fractures, Subtalar arthrodesis, Ankle arthrodesis. Fractures of small joints, such as: Ankle fractures, Navicular fractures, Fractures of the fibula, malleolus, and calcaneus, Distal tibia and pilon fractures, Acetabular fractures. Other fractures of the pelvic ring; Fractures of the femoral head and neck, Supracondylar femoral fractures, Slipped capital femoral epiphyses, An adjunct to DHIS in basilar neck fractures, Intercondylar femur fractures, Intracapsular fractures of the hip, Fractures of the distal femur and proximal tibia, Patellar fractures, Tibial plateau fractures. Small fragments of the hand and wrist, Fractures of the carpals and metacarpals, Carnal and metacarpal arthrodesis, Scaphoid fracture and other fractures of the hand, Phalangeal and interphalangeal fractures, Fractures of the ulna and radius. Radial head fractures, Fractures of the olecranon and distal humerus, Humeral head fractures, Ligament fixation at the proximal humerus, Glenoid fractures.

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REVOLUTIONIZING OSTEOCHONDRAL RECONSTRUCTION

S-Core™ HA Core-Preserving Osteochondral Reconstruction System Platform



HA Coated Bioactive Implant

Minimally Invasive Reconstruction of Osteochondral Fractures and Joints, Adjuvant for Osteosynthesis

Subchondral SOLUTIONS
subchondralsolution.com

S-Core™ Instrutmentation

S-Core™ HA Core-Preserving Osteochondral Reconstructive System Platform.

The S-Core™ Core-Preserving Osteochondral Reconstructive System Platform has proprietary instrumentation that is easy and efficient to use. The system stabilizes bone and creates a healing platform for osteochondral fractures, osteochondrosis, osteochondral fracture reconstruction, and osteochondral fixation.



Product Features S-Core™ Cannulated Countersink

- Prepares the bone for the use of the
- Cannulated Coring Reamer
- Distal tip designed to cut bone without without clogging.
- Provides the surgeon with good visibility to see depth of cut.



Product Features S-Core™ Cannulated Coring Reamer

- Designed to drill the bone for insertion of the Implant.
- Cannulated design enables the instrument to slide over the guide wire for proper placement.
- Two blade design preserves bone.
- Designed to maximize bleeding



S-Fibre™ Suture

S-Fibre ™
POLYETHYLENE SUTURE
Non-absorbable Surgical Suture Meets USP except for oversized diameter. White Braided - Ultra High Molecular Weight Polyethylene

DESCRIPTION

S-Fibre ™ Suture is a non-absorbable Ultra High Molecular Weight Polyethylene (UHMWPE) sterile surgical suture available as follows:
White Braided suture composed of undyed (white) UHMWPE.

S-Fibre ™ sutures exceed USP specifications for diameter.

Suture Size	USP Ave. Diameter Specification (mm) <861>	Maximum Oversize Average Diameter(mm)	Maximum Oversize Average Diameter From USP(mm)
3-0	.2 - .25	.20	.32

INDICATIONS

S-Fibre ™ Non•absorbable SurgiCal Sutures are indicated for use in approximation and/or ligation of soft tissues, including use of allograft tissue for orthopedic surgeries.

CONTRAINDICATIONS

None known.



Osteochondral Fractures







