SurGenTec LLC Expands Clinical Resources with Advanced Guidance on the Catamaran SI Fusion Technique

October 30, 2026

BOCA RATON, FL - October 30, 2026 -
SurGenTec LLC, a medical device company located in Delray Beach, Florida, has published a clinical technique guide for the Catamaran SI Fusion system. The document, titled "Catamaran SI Fusion System: Surgical Technique and Clinical Applications," was released on October 30, 2026, to provide orthopedic surgeons, spine specialists, and neurosurgeons with updated procedural instructions and anatomical considerations. Distinguishing itself from prior general product overviews, this publication incorporates step-by-step fluoroscopic guidance, graft volume recommendations, and specific trajectory planning algorithms for joint stabilization. Sacroiliac joint dysfunction represents a significant source of lower back discomfort, and the updated reference material provides clinicians with structured protocols to evaluate alongside established patient care guidelines.

The Catamaran SI Fusion system holds FDA 510(k) clearance (K201412) for sacroiliac joint fusion for conditions including sacroiliac joint disruption and degenerative sacroiliitis. According to authorized device labeling, the implant is indicated for direct visualization or minimally invasive placement across the sacroiliac joint to promote arthrodesis. The clearance specifies that the device must be utilized with autograft or allograft material to support bony bridging. As outlined in the regulatory documentation, contraindications include active systemic infection, severe osteoporosis, severe mental illness, or known metal allergies.

Biomechanical stability and joint fixation rely on targeted surgical placement, as validated in biomechanical bench testing and published clinical literature. Pre-clinical load testing demonstrates that the Catamaran SI Fusion implant?s dual-vector titanium geometry resists rotational and shear forces across the joint space compared to baseline physiological loads. The specialized instrumentation allows for a targeted lateral approach intended to limit tissue disruption and preserve adjacent muscular structures. Mechanical load distribution features are designed to minimize stress concentration at the bone-implant interface, supporting stability while fusion occurs.

The publication outlines specific procedural steps, including posterior-lateral trajectory alignment, joint space preparation, controlled bone graft delivery, and final implant insertion. Rather than providing general procedural overviews, the text details exact bone graft delivery volumes and mechanical compression steps required during hardware deployment. SurGenTec LLC offers accompanying technical documentation and structured cadaveric training programs for surgical teams seeking hands-on familiarity with the instrumentation. Clinicians can review the complete procedural steps and device specifications directly in the publication available at SurGenTec.

The design of the Catamaran SI Fusion system supports utilization in both hospital operating rooms and accredited ambulatory surgical centers. Outpatient suitability depends on individual patient health profiles, surgeon assessment, and established clinical safety criteria. The technical guide outlines pre-operative evaluation criteria to help surgical facilities assess patient candidacy for outpatient care settings. By providing standardized instructional materials, the release aims to assist surgical centers in maintaining consistent procedural standards across operating environments.

Understanding the balance between rigid fixation and bone graft placement is critical for surgeons performing sacroiliac joint procedures. A company representative noted that the purpose of releasing this updated surgical guide is to provide objective, step-by-step technical instructions that clarify implant positioning and graft delivery mechanics for surgical teams. Ongoing clinical evaluation and long-term registry tracking continue to gather real-world data regarding patient-reported outcomes and implant performance across diverse clinical settings.

The newly released surgical technique guide serves as a practical reference for medical professionals seeking detailed information on sacroiliac joint stabilization protocols. Clinicians, hospital administrators, and healthcare professionals can access the complete guide online or request physical copies through formal organizational channels. For additional technical specifications, educational program schedules, or media inquiries, contact SurGenTec LLC at media@surgentec.com or visit the company's official portal.

SurGenTec LLC is a medical device development company focused on creating solutions for spinal and orthopedic procedures. Based in Delray Beach, Florida, the organization develops surgical instruments, biological delivery systems, and implant technology intended to support healthcare professionals in clinical practice.

###

For more information about SurGenTec, contact the company here:SurGenTecSurGenTec(561) 990-7882customerservice@surgentec.comBoca Raton, FL

SurGenTec

Website: https://www.surgentec.com/

Email: customerservice@surgentec.com

Phone: (561) 990-7882