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TransEnterix Introduces New SPIDER Surgical System

Enhanced design delivers added strength, precision and ergonomics — through tiny incision the size of a dime

RESEARCH TRIANGLE PARK, N.C. – TransEnterix has introduced the next generation of its revolutionary SPIDER[®] Surgical System.

The company unveiled the latest version of its single-incision, multi-port, triangulating system today at the annual meeting of the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) taking place in San Antonio, Texas.

The new SPIDER Surgical System delivers several key advances – including increased strength for dissecting and retracting tissue, added precision through new endomechanical arms that move and control instruments, improved ergonomics through a modified surgeon interface, and optimized reach for a wide range of patient types and operative tasks. The ability to vary reach within the abdomen is particularly important in minimally invasive surgeries to treat obesity, like gastric banding and sleeve gastrectomy.

Like its groundbreaking predecessor, the new SPIDER System provides intra-abdominal triangulation via a single site, true-left and true-right hand instrumentation, and 360-degree motion with flexible instruments. The low-profile diameter remains set at 18 millimeters – the size of a dime.

“One thing all surgeons have in common is their drive to constantly seek out new and better ways to successfully treat patients while minimizing the invasiveness of surgery,” said Luke M. Roush, vice president of global marketing. “The new SPIDER Surgical System works to maintain the principals of gold-standard laparoscopic surgery – such as intra-abdominal triangulation – in a way that is less invasive for patients and more effective for surgeons.”

The SPIDER System addresses problems that surgeons frequently encounter when using other, less-sophisticated single-incision systems by opening up and expanding within the patient's abdomen, like an umbrella. This allows surgeons to readily triangulate instruments and safely accomplish many tasks from one small incision.

Dr. Juan-Carlos Verdeja, an internationally recognized pioneer in advanced surgical techniques, will present an abstract about the new SPIDER System at the SAGES conference.

“Providing truly flexible yet strong instrumentation in laparoscopy is a meaningful advance with potential to merge the tools and unlimited angles of flexible endoscopy with the technique and surgical work needs of laparoscopy,” stated Verdeja, who practices at South Miami Hospital in Miami, Fla. The SPIDER System's flexible instruments and expansion capability are proprietary technologies created by TransEnterix; they are not available in any other surgical system sold today. Surgeons worldwide are using the SPIDER System to treat obesity and colon cancer, and to remove kidneys and gallbladders. To learn more, visit <http://www.transenterix.com/media>

In less than three years, TransEnterix has evolved from a startup enterprise into a cutting-edge medical device company that has raised \$60 million in venture capital funding and successfully commercialized operations in the United States and European Union. The company partners with medical thought-leaders to rapidly develop pioneering technologies that advance minimally invasive surgery. See more at <http://www.transenterix.com>