MAZOR DEBUTS SPINEASSIST APPLICATION FOR CERVICAL IMPLANT PLACEMENT

The application answers surgeons' expressed wishes for a high accuracy guidance-tool for cervical operations

September 18 2007, Atlanta, GA and Caesarea, Israel - Mazor Surgical Technologies, developer and manufacturer of innovative image-based surgical positioning systems, announces a new SpineAssist application to enable precise placement of cervical spinal implants. The innovative application addresses the demanding need for high accuracy in the placement of cervical implants expressed by many surgeons. Mazor is now planning to market its range of products in the US and in all European territories.

The Mazor SpineAssist platform enables highly accurate pre-operative planning and placement of spinal fusion screws and supports related surgical interventions. It consists of a miniature robot that glides freely above the patient's spine. During spinal procedures, the system guides the surgeon in real time to pinpoint the exact location and trajectory of the implant based on the pre-surgical plan. The platform demonstrated significantly greater accuracy in implant positioning than freehand placement.

The newly developed solution for the cervical vertebrae complements the existing SpineAssist lumbar and thoracic spine applications, which are in use at several major hospitals worldwide. Together, the three applications enable highly accurate implant placement for the entire length of the spine. The new product is optimized for the smaller vertebrae and narrower surgical approach to the upper spine and delivers the accurate surgical guidance that has become Mazor's trademark. The new cervical guidance system will be exposed at EuroSpine 2007 (October 3-5, Brussels, Belgium) and at the North American Spine Society annual meeting (NASS 2007- October 23-27,Austin, Texas). The Cervical Application is not yet commercially available in the US, pending FDA 510K marketing clearance.

"For several years, surgeons were pushing Mazor to develop a cervical solution, and I am happy to be able to report we have finally answered their call." said Ori Hadomi, CEO of Mazor Surgical Technologies. "This is truly a breakthrough product for the company, as it opens up new markets for Mazor's products."

About Mazor Surgical Technologies

Mazor Surgical Technologies was founded in 2001 by Technion Israel Institute of Technology Professor Moshe Shoham, an internationally recognized expert in medical robotics. The SpineAssist platform received FDA clearance in 2004, followed by Hover-T Bridge approval in 2005. International investors include Alice Ventures, Johnson & Johnson DC, Israel HealthCare Ventures, Shalom Equity Fund, Dor Ventures, and Proseed.

Mazor Surgical Technologies is headquartered in Caesarea Israel, with U.S. offices in Atlanta.

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Discover new developments of Mazor Surgical Technologies' products at the coming three conferences:

** **EuroSpine - Brussels, Belgium** (October 2-5) Booth 821

** **NASS – Austin, Texas** (October 23-27) Booth 841

** **German Spine Congress (Wirbelsäulenkongress), Manheim, Germany** (December 13-15)