

## **MAZOR DEBUTS SPINEASSIST APPLICATION FOR HIGHLY ACCURATE THORACIC SPINAL IMPLANT PLACEMENT**

### **Addresses 20 percent implant misplacement in narrow thoracic vertebrae**

April 16<sup>th</sup> 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 thoracic spinal implants. The innovative application addresses the approximately 20% misplacement rate for thoracic screws cited in academic literature. Mazor's new application improves clinical outcomes of these procedures by providing surgeons with detailed guidance in the positioning of implants in narrow thoracic spinal vertebrae.

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, patented Hover-T Bridge, which allows the robot to glide freely above the patient's spine, and a workstation running advanced surgical planning and guidance software. 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 is optimized for specific interventions with a range of applications fine-tuned for specific areas of the spine. It has demonstrated significantly greater accuracy in implant positioning than freehand placement.

The newly redeveloped solution for the thoracic vertebrae complements the existing SpineAssist lumbar spine application, which is in use at several major hospitals worldwide. Together, the two applications enable highly accurate implant placement for almost the entire length of the spine. The new product is optimized for the smaller vertebrae and narrower surgical approach to the upper thoracic spine and delivers the accurate surgical guidance that has become Mazor's trademark. The new thoracic guidance system, along with existing products, will be showcased at the American Association of Neurological Surgeons' annual meeting (AANS 2007- April 16-19, Washington DC) and at the 58<sup>th</sup> annual meeting of the German Society of Neurosurgery (DGNC 2007- April 26-29, Leipzig). The Thoracic Application is not yet commercially available in the US, pending FDA 510K marketing clearance.

"We are pleased that we can now provide surgeons with sophisticated tools to ensure accuracy of implant placement not only in the lumbar spine but also the thoracic spine," said Ori Hadomi, CEO of Mazor Surgical Technologies. "With this introduction, we have significantly expanded the procedures SpineAssist can support."

### **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. Visit [www.mazorst.com](http://www.mazorst.com) or contact the company at [usa@mazorst.com](mailto:usa@mazorst.com) .

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

\*\* AANS Washington, DC (April 16-19) – booth A533

\*\* DGNC Leipzig, Germany (April 26-29) – booth M33

\*\* SAS Berlin, Germany ( May 1-3) – courtesy suite, please make contact to schedule an appointments