

## **Mazor Showcases Revolutionary Artificial Disc Placement System at NASS**

**September 21, 2006, Atlanta, GA and Caesarea Israel**--Mazor Surgical Technologies, the developer and manufacturer of image-based surgical positioning systems, will showcase a revolutionary new system enabling precise placement of artificial discs at the North American Spine Society Annual Meeting (NASS) in Seattle September 26 to 30. Mazor's new DiscAssist will help improve clinical outcomes, while reducing the length and complexity of lumbar and thoracic disc replacement surgeries. The software-based application was developed to address recent clinical studies that demonstrate the importance and challenge of optimal artificial disc positioning, including alignment and orientation, for successful total disc replacement (TDR) surgical outcomes.

Using the innovative new DiscAssist, surgeons develop an extremely precise but simple 3D surgical blueprint that includes artificial disc sizing and precise disc placement, inclusive of alignment and orientation. To assist surgeons in optimizing the plan, DiscAssist calculates the center of disc rotation, simulates the effects of artificial disc placement on adjacent vertebrae and evaluates other important parameters.

During surgeries, DiscAssist interfaces with the operating room (OR) imaging system to guide surgeons through accurate plan implementation. The system visualizes the surgery in real-time and enables comparison with the surgical blueprint. The software supports all TDR systems currently on the market and eliminates the need for surgeons to rely on trial and error for appropriate placement.

"The beauty of this product is its simplicity," says Ori Hadomi, CEO of Mazor Surgical Technologies. "Without complicating the surgical process and adding new hardware and procedures, it improves clinical confidence, helping to ensure the success of difficult surgeries. A growing body of research is demonstrating the importance of optimal artificial disc placement. I believe that the DiscAssist is a breakthrough solution that will address the unresolved challenges in these difficult surgeries."

DiscAssist joins Mazor's flagship product, the SpineAssist miniature surgical positioning device, which helps surgeons to place surgical implants precisely in the spine. At the NASS Annual meeting in Seattle, Mazor also will demonstrate a new cervical SpineAssist application that will enable smaller incisions and more accurate placement of surgical implants.

The new applications are shown as works in progress and do not yet have FDA clearance.

### **About Mazor Surgical Technologies**

Mazor Surgical Technologies was founded in 2001 by Technion Israel Institute of Technology Professor Prof. Moshe Shoham an internationally recognized expert in medical robotics. Selected for the prestigious Technion Incubator program, Mazor now has over 30 employees with headquarters in Israel and a successful U.S. subsidiary based in Atlanta, GA. Mazor received FDA clearance for the SpineAssist platform in 2004, followed by approval for the related Hover-T Bridge in 2005. To date, Mazor has raised over 19.5 million dollars in two rounds of financing. International investors include Alice Ventures, Johnson & Johnson DC, Israel HealthCare Ventures, Shalom Equity, Dor Ventures, and Proseed.

Mazor Surgical Technologies is headquartered in Caesarea Israel, with U.S. offices in Atlanta. Visit Mazor Surgical Technologies at [www.mazorst.com](http://www.mazorst.com) or contact the company at 404.460.5132, [nancy.sousa@mazorst.com](mailto:nancy.sousa@mazorst.com).