

New clinical data presented during NASS 2014 scientific program on efficacy, accuracy, and safety of Mazor Robotics technology in spine surgery

On Friday, November 14, new data supporting the use of the Mazor Robotics [Renaissance® Guidance System](#) was presented during the scientific program of the North American Spine Society (NASS) annual meeting in San Francisco. This marks the first time that Renaissance technology was represented in the scientific program at a NASS meeting.

Clinical data was shared in both e-poster and podium presentation format demonstrating clinical efficacy of the Renaissance system. When compared to freehand technique, accuracy was shown to improve in [MIS, percutaneous](#), and [complex revision](#) cases when using Renaissance.^{1,2,3} One study in particular reported a 50 percent reduction in the use of fluoroscopy when using Renaissance in MIS procedures vs. freehand.⁴

The three podium presentations were led by the following Renaissance surgeons: Dr. Faissal Zahrawi of Florida Hospital Celebration Health, Dr. Samuel Bederman of University of California, Irvine Medical Center, and Dr. Bert Hoess of Medical Spectrum Twente Hospital in the Netherlands.

“With the paradigm shift in the healthcare industry, hospitals and surgeons need technology that is scientifically validated to improve outcomes,” said Mazor Robotics Ltd. CEO Ori Hadomi. “It is very exciting to see continual growth in the amount of clinical evidence supporting Renaissance technology in spine surgery.”

About Mazor

Mazor Robotics (TASE: MZOR; NASDAQGM: MZOR) believes in healing through innovation by developing and introducing revolutionary robotic-based technology and products aimed at redefining the gold standard of quality care. Mazor Robotics Renaissance® Guidance System enables surgeons to conduct spine and brain procedures in a more accurate and secure manner. For more information, please visit www.MazorRobotics.com.

¹Zahrawi, Faissal, MD, FACS. “Comparative Analysis of Robotic-Guided Pedicle Screw Placement Accuracy & Freehand Controls in Percutaneous Adult Degenerative Spinal Instrumentation.” North American Spine Society Annual Meeting 2014. Moscone Center, San Francisco, CA. 14 November 2014. Conference Presentation.

²Bederman, S. Samuel, MD, PhD FRCSC. “Accuracy of Pedicle Screw Placement in Revision Spine Surgery using Robotic Guidance.” North American Spine Society Annual Meeting 2014. Moscone Center, San Francisco, CA. 14 November 2014. Conference Presentation.

³Hoess, Bert, MD. “Clinical Pedicle Screw Accuracy and Deviation from Planning in Robot-Guided Spine Surgery.” North American Spine Society Annual Meeting 2014. Moscone Center, San Francisco, CA. 14 November 2014. Conference Presentation.

⁴Cannestra, Andrew, MD, PhD. “Significantly Decreased Radiation Exposure in Percutaneous Adult Degenerative Spinal Instrumentation with Robotic Guidance.” North American Spine Society Annual Meeting 2014. Moscone Center, San Francisco, CA. 12 November 2014. Conference Electronic Poster Presentation.

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