

Mazor Robotics to launch and demo new Renaissance® brain module at American Association of Neurological Surgeons (AANS) annual meeting in San Francisco

ORLANDO, Fla., April 2, 2014 – On April 7, 2014, Mazor Robotics (TASE: MZOR; NASDAQ GM: MZOR) will debut and officially launch the new Renaissance Guidance System brain module at the American Association of Neurological Surgeons (AANS) annual meeting. The Renaissance system is FDA-cleared for both spine and brain surgery.

The Renaissance brain module utilizes a small, frameless platform with only three points of fixation to provide highly accurate access to the areas of the brain where intervention is needed. This helps to minimize incisions and scarring while providing surgeons with a full 360 degree working volume to change trajectories with ease.

Dr. Bradley Wallace of Baptist Medical Center in Jacksonville, Fla. performed the first bilateral procedure with Renaissance in December of last year. “With the Renaissance system, we’ve preplanned those trajectories and it’s simply a matter of pushing a button and redirecting the guidance unit to the new trajectories,” said Dr. Wallace. “There is also a patient comfort component: the patient is awake for a portion of the surgery, so not being fixed to the bed and being able to move a little bit is an advantage.”

“We are very happy to see the benefits that Renaissance Brain Surgery is bringing to neurosurgeons and their patients,” said Mazor Robotics CEO Ori Hadomi. “After years of development, we are excited to introduce our technology to the brain surgery market and continue our efforts in this new arena.”

Visit Mazor Robotics at booth #615 at AANS for a demonstration of the Renaissance brain module.

To date, Mazor Robotics Renaissance Guidance System has been used to place over 45,000 implants in thousands of spine procedures worldwide.

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.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 and other securities laws. Any statements in this release about future expectations, plans or prospects for the Company, including without limitation, statements regarding the expectations for growth in system sales and recurring revenue, the Company’s expected sales in 2016, and other statements containing the words “believes,” “anticipates,” “plans,” “expects,” “will” and similar expressions are forward-looking statements. These statements are only predictions based on Mazor’s current expectations and projections about future events. There are important factors that could cause Mazor’s actual results, level of activity, performance or achievements to differ materially from the results, level of activity, performance or achievements expressed or implied by the forward-looking statements. Those factors include, but are not limited to, the impact of general economic conditions, competitive products, product demand and market acceptance risks, reliance on key strategic alliances, fluctuations in operating results, and other factors indicated in Mazor’s filings with the Securities and Exchange Commission (SEC) including those discussed under the heading “Risk Factors” in Mazor’s annual report on Form 20-F filed

with the SEC on April 29, 2015 and in subsequent filings with the SEC. For more details, refer to Mazor's SEC filings. Mazor undertakes no obligation to update forward-looking statements to reflect subsequent occurring events or circumstances, or to changes in our expectations, except as may be required by law.

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