

# ROBOTIC SURGERY:

## THE FUTURE OF HEALTHCARE

The operating room set-up for the SP robot illustrates the surgeon's place at the console to the far left. The patient and robot are on the right side.



Let's debunk the myth. Robots have been used in surgery for 20 years, yet the most common myth about robotic surgery still prevails -- that the robot performs the surgery. Not so.

The robot is a tool the surgeon uses. Seated at a console near the operating table, the surgeon controls the arms of the robot which can move at angles and reach areas that human hands cannot. In addition, through the advanced medical technology the robot provides, the surgeon sees a high-definition, 3D-view of the surgical site.

### HOW ROBOTS TRANSFORM SURGERY

Guided by the surgeon, robots can outperform humans. According to Scott D. Miller, MD, MBA, medical director of Wellstar Urology and director of Wellstar Robotic Surgical Services, using robots makes it easier to accomplish delicate maneuvers in surgery. "Knowing that the robot's arms do what humans can do, only better, means that the surgeon's mind is freed up to do what the robot cannot do. That is to focus on judgment," he explains. Dr Miller, who has performed well over 3,000 robotic surgeries, points out that the benefits of robotic surgery include smaller incisions, shorter hospital stay, faster recovery time, and improved patient outcomes. Wellstar Urology uses the newest innovation in robotics today, the Intuitive Surgical da

Vinci SP® Robotic System. The SP requires only one small incision instead of several, yet gives the surgeon access to areas that previously were difficult to reach. For the patient that means a gentler procedure, less pain and a quicker recovery.

### ON THE HORIZON

Next up is Intuitive's da Vinci 5, which has 10,000 times the computing power of its predecessor. The new system also features numerous design changes including "force feedback." This technology feature allows the surgeon to feel what's happening at the surgical site. Previously, surgeons could only visually watch how much pressure they were applying to a patient's tissue with the robot.



Scott D. Miller, MD, MBA, Medical Director of Wellstar Urology and Director of Wellstar Robotic Surgical Services.

THE FUTURE OF ROBOTICS IS BRIGHT.

