

PHYSICIAN FORUM

The da Vinci S[®] Surgical System is a sophisticated robotic platform designed to enable complex surgery while using a minimally invasive surgical approach. The system consists of an ergonomic surgeon's console, a patient-side cart (equipped with four interactive robotic arms), a high-performance 3-D high definition vision system and EndoWrist[®] instruments. Powered by state-of-the-art robotic technology, the da Vinci S Surgical System is designed to seamlessly translate the surgeon's hand movements into precise movements of the EndoWrist instruments.

- The da Vinci S Surgical System's main features include:
- Intuitive[®] motion
 - High-resolution 3-D vision
 - Innovative EndoWrist instrumentation.

➤ Intuitive motion refers to the system's interface, helping make da Vinci S Surgery look and feel more like traditional "open" surgery. With the 3-D stereo viewer, the target anatomy appears in brilliant color, high magnification and with natural depth of field. The console's master control is used to maneuver the patient-side cart's four robotic arms. The arms securely hold the patented EndoWrist instruments and high-resolution endoscopic camera. The jointed-wrist design of the EndoWrist exceeds the natural range of motion in the human hand.

➤ With conventional laparoscopic procedures, the surgeon stands while operating, using hand-held, long-shafted instruments. The surgeon must look up and away from the instruments to a nearby 2-D video monitor in order to see an image of the target anatomy. The surgeon must also rely on the patient-side assistant in correct positioning of the camera. The da Vinci S System's ergonomic design allows the surgeon to operate from a comfortable seated position at the console, while keeping eyes and hands positioned in line with the instruments. To move the instruments or to reposition the camera, the surgeon simply moves their hands.

➤ The da Vinci S System can offer increased numbers of surgeons the opportunity to perform minimally invasive procedures by providing superior visualization, enhanced dexterity, great precision and ergonomic comfort.



- For the patient, this procedure can offer all the potential benefits of a minimally invasive procedure, including:
- Reduced trauma to the body
 - Less post-operative pain and discomfort
 - Reduced blood loss and less need for transfusion
 - Shorter hospital stay
 - Faster recovery and return to normal activities
 - Less scarring using smaller sized incisions
 - Fewer complications and less risk of infection

➤ Intuitive Surgical (the company that introduced the da Vinci[®] Surgical System) serves customers throughout the United States and internationally, providing technology and procedural innovation across cardiac, urology, gynecologic and general surgical disciplines.

We invite you to learn more about the new da Vinci S Surgical System at Jewish Hospital. Team members and physicians are invited to attend an *open house* featuring the system, on **April 14th from 10 a.m. to 5 p.m.** The open house will take place in the **second floor lobby of the Outpatient Care Center**, on the Jewish Hospital Medical Campus. You will have a chance to sit at the robot controls and see how the system works first-hand. Representatives from Intuitive Surgical will be on hand to answer your questions. No RSVP is necessary – you may simply stop by at your convenience.

ABOUT....

For more information regarding the da Vinci S[®] Surgical System at Jewish Hospital, contact Barbara Smeland, (502) 560-8514 or at davincisurgery@jhsmh.org.

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