

ROBOT-ASSISTED SURGERY

Fact Sheet

SWEDISH'S ROBOT-ASSISTED SURGICAL PROGRAM	<p>Swedish Medical Center in Seattle, Wash. is home to the fastest growing and most experienced robot-assisted surgical program in the Pacific Northwest. Since 2005, Swedish-affiliated surgeons have performed more than 2,000 complex, minimally invasive procedures with greater precision while speeding patient recovery using the da Vinci® Surgical System by Intuitive Surgical, Inc. Currently, da Vinci robotic technology is used to perform urologic, gynecologic and thoracic surgeries at Swedish.</p>
PROGRAM HIGHLIGHTS	<ul style="list-style-type: none"> • In 2005, Swedish became the first medical center in the region to use the latest generation da Vinci system with four surgical arms (the extra arms improve the surgeon's control over the operative field and provides greater flexibility). • Swedish is one of only two hospitals in the Northwest to have recently purchased two of the latest-generation Si HD da Vinci robots, and is now the only hospital in the area with a dual console robotic set up that allows two surgeons to work on one case at any given time. • Swedish is the first program in the Northwest to surpass the 2,000 case mark.
TEAM	<p>Swedish Medical Center has a team of highly experienced surgeons qualified to perform robot-assisted surgeries including:</p> <ul style="list-style-type: none"> • Urology: Drs. James Porter, Joel Lilly and John Mullen • Gynecology: <ul style="list-style-type: none"> ○ <i>Benign Gynecologist</i>: Dr. Jessie Marrs ○ <i>Gynecology Oncologists</i>: Drs. Pamela Paley, Elise Everett, Dan Veljovich, Charles Drescher, Amy Bland • Thoracic: Drs. Brian Louie, Ralph Aye and Eric Vallieres
BENEFITS	<p>Robot-assisted surgery can offer all the potential benefits of a minimally invasive procedure, including less pain, less blood loss, shorter hospital stay, less risk of infection, fewer transfusions, less scarring, faster recovery time and a quicker return to normal daily activities.</p> <p>Surgeons using the da Vinci® Surgical System have experienced greater surgical precision, increased range of motion, improved dexterity, enhanced visualization and improved access.</p>

<p>TECHNOLOGY</p>	<p>Using state-of-the-art technology, the da Vinci Surgical System provides a precise way to help a trained surgeon use finely controlled robotic instruments to perform minimally invasive procedures more safely, while speeding patient recovery. Minimally invasive surgery is performed through dime-sized (1-2 cm) incisions in contrast to the much larger incisions used in traditional, open surgery, which are often as large as 6-12 inches long.</p> <p>The latest da Vinci System at Swedish allows surgeons to work more precisely than in conventional surgery, and consists of an ergonomic surgeon's console, a patient-side cart with four interactive robotic arms, a high-performance 3D HD vision system and EndoWrist instruments that can turn 540 degrees, allowing for much finer movements. The da Vinci System is designed to seamlessly translate the surgeon's hand movements into more precise movements to "virtually" put the surgeon's hands inside the patient. A special 3D HD, dual-lens endoscope provides a highly magnified view of the surgical site inside the patient, allowing surgeons to see the surgical site up to 12-times more closely than human vision allows.</p>
<p>TRADITIONAL METHODS</p>	<p>The da Vinci System is a remarkable improvement over conventional laparoscopy, in which the surgeon operates while standing, using hand-held, long-shafted instruments, which have no wrists. With conventional laparoscopy, the surgeon must look up and away from the instruments, to a nearby 2D video monitor to see an image of the target anatomy. The surgeon must also rely on his/her patient-side assistant to position the camera correctly. In contrast, the da Vinci System's ergonomic, intuitive design allows the surgeon to operate from a comfortable, seated position at the console, controlling a high-resolution camera and micro-surgical instruments to precisely guide the robotic arms. To move the instruments or to reposition the camera, the surgeon simply moves his/her hands.</p> <p>By providing surgeons with superior visualization, enhanced dexterity, greater precision and ergonomic comfort, the da Vinci[®] Surgical System makes it possible for more surgeons to perform minimally invasive procedures in a manner never before experienced. This ultimately raises the standard of care for complex surgeries, translating into numerous potential patient benefits.</p>
<p>MORE INFORMATION</p>	<p>To learn more about the Swedish Medical Center robot-assisted surgical program, visit http://www.swedish.org/body.cfm?id=1636&oTopID=25.</p> <p>To learn more about the Intuitive da Vinci Surgical System, visit http://www.intuitivesurgical.com/corporate/newsroom/mediakit/index.aspx.</p>
<p>MEDIA CONTACTS</p>	<ul style="list-style-type: none"> • Ed Boyle, Swedish Medical Center, (206) 386-2748, ed.boyle@swedish.org • Aaron Blank, The Fearey Group for Swedish Medical Center, (206) 343-1543, aaronblank@feareygroup.com

** While clinical studies and current use support the use of the da Vinci[®] System as an effective tool for minimally invasive surgery, individual results may vary.*