

FACT SHEET

Robotically Assisted Surgery



A United States First

The da Vinci® surgical robot is the first surgical robot with FDA clearance for performing minimally invasive surgery (MIS) available in the United States.

Saint Vincent Hospital First to Offer Robotics Locally

Saint Vincent Hospital was the first hospital in Central Massachusetts to offer robotically assisted surgery to physicians and patients.

Revolutionizing the Operating Room

Robotics is revolutionizing a broad range of minimally invasive surgeries, extending the surgeon's capabilities with improved dexterity, greater surgical precision, improved access, increased range of motion and three-dimensional visualization of the operating area.

Improved Patient Outcomes

MIS potentially reduces patients' post-operative pain and yields enhanced cosmetic results, fewer infections, less blood loss and reduced length of stay in the hospital.

Approved Robotically Assisted Procedures

The da Vinci System is approved for:

- Laparoscopic radical prostatectomy (prostate removal)
Patients undergoing robotically assisted prostatectomy are less likely to suffer undesirable side effects such as incontinence and impotence that can result from traditional prostatectomy surgery.
- General laparoscopic surgery (gall bladder, gastro esophageal reflux, etc.)
- Coronary anastomosis during cardiac revascularization (bypass surgery)
Patients undergoing robotically assisted coronary bypass surgery do not have to have their chest opened. The surgery can be done with only four small incisions.
- Thoracoscopic surgery
IMA, (mammary artery) harvesting for coronary artery bypass, bypass graft surgery, lung surgery, etc.
- Thoracoscopically assisted cardiomy procedures (mitral valve repair)
- Gynecological laparoscopic procedures

Exclusive Fully "Wristed" Instruments

The da Vinci Robotic System is the only robot with patented, fully "wristed" instruments. *Endowrist*™ instruments reproduce the full range of motion and dexterity of the surgeon's hand, providing precision, flexibility and the ability to fluidly rotate instruments more than 360 degrees through tiny incisions.

Direct Hand-Eye Instrument Alignment

The *InSite*™ *Vision System* immerses the surgeon in a true three-dimensional view of the operating field, including the necessary depth perception for manipulating delicate tissue layers.

Only Intuitive® Surgical Robot

In standard laparoscopic surgery, the movement of the instruments is "counter-intuitive," similar to doing surgery while looking in a mirror. The da Vinci System is the only way to do laparoscopic surgery "intuitively," and removes a huge barrier to performing MIS.

Surgeon's Console

The Navigator Camera allows the surgeon to easily change, move, zoom and rotate his or her field of vision within the surgical opening without disrupting the procedure.

Designed for Safety

In order to precisely duplicate the surgeon's movements, the da Vinci Surgical System performs safety checks more than 1,300 times per second, helping ensure a failsafe operation for overall patient well-being.

For more information about robotically assisted surgery at Saint Vincent Hospital, please call Susan Faneuf at (508) 363-9065.



SAINT VINCENT HOSPITAL

WORCESTER MEDICAL CENTER
123 SUMMER STREET
WORCESTER, MA 01608

(508) 363-5000

StVincentHospital.com