



Robotic Surgery

- Felix L. Badillo, M.D., F.A.C.S.
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- North Shore University Hospital, Manhasset
- St. Francis Hospital, Roslyn



[Robotics FAQ](#) [Patient Testimonial](#)

Robotics Hotline

516.627.0301

[Surgical Robots Help Patients Recover Faster, With Less Pain](#)

By Nellie Iel, *Chronical Reporter*

Article features [Dr. Felix Badillo](#), a specialist in robotic surgery.

"The DaVinci Robotic prostatectomy is a tremendous advancement in the treatment of prostate cancer. I average at least 30 robotic prostatectomies per month and I am still impressed with how quickly patients recover afterwards, with almost no discomfort."

- [Felix L. Badillo, M.D., F.A.C.S.](#)



Chief of Urology, St. Francis Hospital, Roslyn and former Chief, Division of Robotic Urology at North Shore University Hospital, Manhasset. Dr. Badillo specializes in minimally invasive, hand- assisted and laparoscopic surgery with emphasis on robotic surgery. In addition, he has been instrumental in developing urologic robot procedures at North Shore University Hospital, Manhasset and St. Francis Hospital, Roslyn.

"[Felix Badillo, M.D.](#), and [Gary Goldberg M.D.](#), recently introduced the most advanced surgical treatment for prostate cancer available in your area. Not only did Dr. Badillo and Dr. Goldberg perform the first robotic surgery on Long Island, but they have performed these procedures more often than any other urologist; with over 300 successful procedures." - *Newsday*, 11/2/04

Robotic Radical Laparoscopic Prostatectomy

The American Cancer Society estimates there are 180,000-200,000 newly diagnosed cases of prostate cancer annually. If your doctor recommends surgery to treat your prostate cancer, you may be a candidate for a new, less-invasive surgical procedure called daVinci Prostatectomy (Robotic Radical Laparoscopic Prostatectomy). This treatment method, when compared to traditional prostate surgery, provides patients with many benefits. Some of the benefits include 5 small incisions as opposed to one large incision; 80% less blood; less scarring; up to 2/3 less post-operative pain and shorter recovery time (most patients return to work within 3 to 4 weeks of the procedure). A recent patient testimonial stated, "My prostate

procedure with the daVinci robot was remarkable. Absolutely no pain. I went home from the hospital on Sunday, and by Tuesday I was taking my dogs on a one-mile walk."

The *da Vinci* Surgical System

The **da Vinci** Surgical System is a robotic surgical system consisting of three main components:

The **InSite** Vision System which provides the surgeon with a true minimally invasive 3-D view of the surgical field.



Click on image to watch video

The Surgical Cart that includes the **EndoWrist** Instruments. The **EndoWrist** Instruments are designed to mimic the movement of the human hands, wrists and fingers.

The Surgeon Console which contains the master controls that the surgeon uses to manipulate the **EndoWrist** Instruments.

What are the benefits of using the *da Vinci* Surgical System

For the surgeon, the ability to perform complex minimally invasive procedures as if they were performing open surgery procedures without the fatigue experienced in a long procedure. For the patient, numerous benefits common in existing laparoscopic procedures including reduced bleeding, less pain, smaller risk of internal scarring, shorter hospital stay and faster recovery are possible.

***EndoWrist* Instruments**

Reproduce exact movements of the human hand, wrists and fingers.

Extensive range of motion allows precision suturing, dissection and tissue manipulation.

***InSite* Vision System**

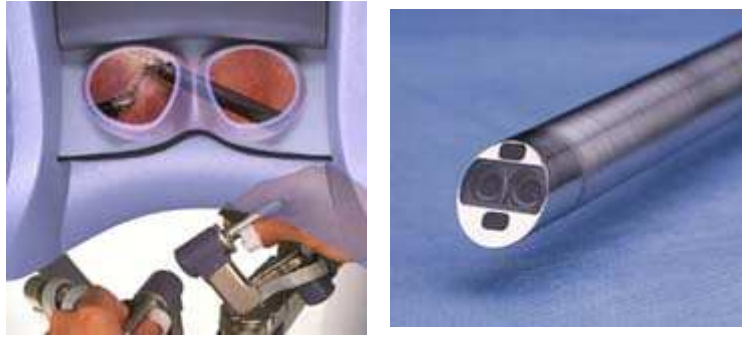
Dual 3-chip digital cameras take surgery "inside" the patient.

The only system with true 3-D vision offers depth of field and resolution.

3-D image aligned over the master controls provides natural hand-eye coordination that is inherent in open surgery.



Click on image to watch video



The **da Vinci** Surgical System from Intuitive Surgical, Inc. is enabling the next generation of surgery. Incorporating the latest advancement in robotic and computer technology, the **da Vinci** Surgical System is the only operative surgical robot that has been deemed safe and effective by the United States Food and Drug Administration for actually performing surgery.

The **da Vinci** Surgical System can be used for a wide variety of surgical procedures within multiple specialties.

Robotic Prostate Surgery Patient Benefits

With its 3-D view, the da Vinci Surgical System aids the surgeon in more easily identifying vital anatomy such as the delicate nerves surrounding the prostate. The EndoWrist Instruments provide the surgeon with dexterity not available using conventional laparoscopic instruments to perform a delicate and precise surgical dissection and reconstruction of the bladder and urethra.

The *da Vinci* Surgical System enhances the advantages of laparoscopic surgery, which are:

- less bleeding
- less pain
- less risk of internal scarring
- less time in the hospital and faster recuperation

***da Vinci* Prostatectomy**

The **da Vinci** Surgical System will enable a minimally invasive alternative to open surgery! The **da Vinci** System is the only operative robotic system cleared for Radical Prostatectomy procedure.

Prostate cancer is the second leading cause of cancer death in men in the United States with approximately 40,000 men dying of it each year. Prostate removal is the most common procedure performed on men with prostate cancer and is typically performed through large, open surgical incisions, which often result in lengthy and uncomfortable patient recovery. There is a significant risk of impotence and incontinence with prostatectomies.

Other urologic robotic surgeries performed by the **da Vinci** Surgical System are:



Abdominal Testicular Resection
Donor Nephrectomy
Lymphadenectomy
Nephrectomy
Pyeloplasty

Radical Prostatectomy
Renal Cystectomy
Ureteroureterostomy
Ureter Harvest
Varicocele

Patient Testimonial - William Phelps



For more information on robotic surgery, visit www.intuitivesurgical.com.

| Features | | | |
|---|--|--|--|
|  Robotic Surgery |  CAT Scan |  Sexual Dysfunction |  Male Infertility |
|  Vasectomy |  Pathology Lab |  Female Incontinence |  Clinical Trials |