

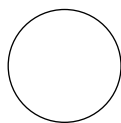
Your doctor is one of many surgeons worldwide now offering *da Vinci* Surgery for a range of complex conditions.

For more information about *da Vinci* Surgery for Kidney Cancer and to find a *da Vinci* surgeon near you, please visit:

www.daVinciSurgery.com

da Vinci Surgery

da Vinci® Surgery for Kidney Cancer



The Enabling Technology: The *da Vinci* Surgical System

The *da Vinci* Surgical System is designed to provide surgeons with enhanced capabilities, including high-definition 3D vision and a magnified view. Your doctor controls the *da Vinci* System, which translates his or her hand movements into smaller, more precise movements of tiny instruments inside your body.



Though it is often called a “robot,” *da Vinci* cannot act on its own. Instead, the surgery is performed entirely by your doctor. Together, *da Vinci* technology allows your doctor to perform complex procedures through just a few tiny incisions. As a result, you may be able to get back to life faster without the usual recovery following major surgery.

The *da Vinci* System has been used successfully worldwide in hundreds of thousands of procedures to date.

All surgeries, including *da Vinci* Surgery, involve risk of major complications. Before you decide on surgery, discuss treatment options with your doctor. Understanding the risks of each treatment can help you make the best decision for your situation.

¹<http://info.cancerresearchuk.org/cancerstats/types/kidney/incidence/?view=PrinterFriendly&a=5441#ageandsex>. ²[http://www.cancer.org/downloads/CR/CRC_-_KIDNEY_\(Adult\)_CANCER.pdf](http://www.cancer.org/downloads/CR/CRC_-_KIDNEY_(Adult)_CANCER.pdf). ³“Kidney Cancer”, www.cancer.net; <http://www.cancer.net/patient/Cancer+Types/Kidney+Cancer?sectionTitle=Treatment>. ⁴Benway BM, Wang AJ, Cabello JC, Bhayani SB. Robotic Partial Nephrectomy with Sliding-Clip Renorrhaphy: Technique and Outcomes; *Eur Urol*. 2009 Mar;55(3):592-9. Epub 2009 Jan 7. ⁵Pierorazio PM, Patel HD, Feng T, Yohannan J, Hyams ES, Allaf ME. Robotic-assisted versus traditional laparoscopic partial nephrectomy: comparison of outcomes and evaluation of learning curve. ⁶Rogers CG, Menon M, Weise ES. Robotic partial nephrectomy: a multi-institutional analysis; *J Robotic Surgery* (2008) 2:141-143 DOI 10.1007/s11701-008-0098-2. ⁷Bhayani SB, Das N. Robotic-assisted laparoscopic partial nephrectomy for suspected renal cell carcinoma. *BMC Surgery* 2008;8:16.

Facing Kidney Cancer?

Learn why *da Vinci*® Surgery may be your best treatment option



da Vinci Surgery

The Condition:

Kidney Cancer

The kidneys are two small, fist-sized organs located behind the abdomen on each side of the spine. Their function is to produce urine, which is then stored in the bladder until it is emptied. By producing urine, kidneys remove toxic by-products and excess fluids from the body. This process helps to maintain a critical balance of salt, potassium and acid.

Each year, 208,500 people are diagnosed with kidney cancer worldwide.¹ It is most common in North American countries. More than 13,000 U.S. residents die from the disease each year. Overall, kidney cancer is more common in men and is usually diagnosed after age 40.¹ Fortunately, with early diagnosis and treatment, kidney cancer can be cured. If found early, the survival rate is about 60 percent.²

Read more...>>>



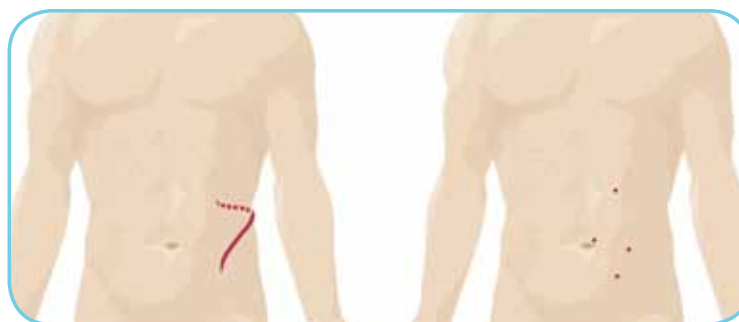
While clinical studies support the effectiveness of the *da Vinci* Surgical System when used in minimally invasive surgery, individual results may vary. There are no guarantees of outcome. All surgeries involve the risk of major complications. Before you decide on surgery, discuss treatment options with your doctor. Understanding the risks of each treatment can help you make the best decision for your individual situation. Surgery with the *da Vinci* Surgical System may not be appropriate for every individual; it may not be applicable to your condition. Always ask your doctor about all treatment options, as well as their risks and benefits. Only your doctor can determine whether *da Vinci* Surgery is appropriate for your situation. All people depicted unless otherwise noted are models. © 2011 Intuitive Surgical. All rights reserved. *Intuitive Surgical*, *da Vinci*, *da Vinci S*, *da Vinci Si*, *Single-Site*, *InSite*, *TilePro* and *EndoWrist* are trademarks or registered trademarks of Intuitive Surgical. All other product names are trademarks or registered trademarks of their respective holders. PN 873194 Rev B 12/11

The Treatment

Kidney Cancer Surgery

Kidney cancer is relatively resistant to noninvasive treatments like radiation and chemotherapy.³ As a result, the gold standard treatment for localized kidney cancer is surgery.³ Kidney surgery is traditionally performed using an open approach, which requires a large abdominal incision. Another approach, conventional laparoscopy, is less invasive but limits the doctor's precision, visualization and control compared to open surgery.

da Vinci Surgery uses the best techniques of open surgery and applies them to a robotic-assisted, minimally invasive approach. The precision, vision and control of the *da Vinci* Surgical System allows your surgeon to provide a precise, minimally invasive treatment for kidney cancer. It may also provide your surgeon the means to preserve your kidney by removing just the tumor and not the entire kidney. And, preserving your kidney can help prevent future kidney disease and even dialysis.



Open Surgery
Incision

da Vinci Surgery
Incisions*

*In certain cases, your doctor may need to remove the entire kidney. If so, he/she will enlarge one incision for removal.

da Vinci Surgery for Kidney Cancer

If you have been diagnosed with kidney cancer, you may be a candidate for a very effective, minimally invasive treatment — *da Vinci* Surgery. *da Vinci* Surgery uses state-of-the-art technology to help your doctor perform a more precise operation as compared to conventional surgery. It offers numerous potential benefits over open surgery, including:

- > Excellent clinical outcomes and cancer control⁴
- > Short hospital stay^{5,6}
- > Less blood loss⁵
- > Precise tumor removal and kidney reconstruction^{6,7}
- > Excellent chance of preserving the kidney, where indicated⁷
- > Low rate of operative complications⁷

As with any surgical procedure, these benefits cannot be guaranteed as surgery is both patient and procedure specific.

