

INTUITIVE

Understand your surgery options

Discover minimally
invasive, single-incision
robotic-assisted surgery.



Take time to explore your surgery options.

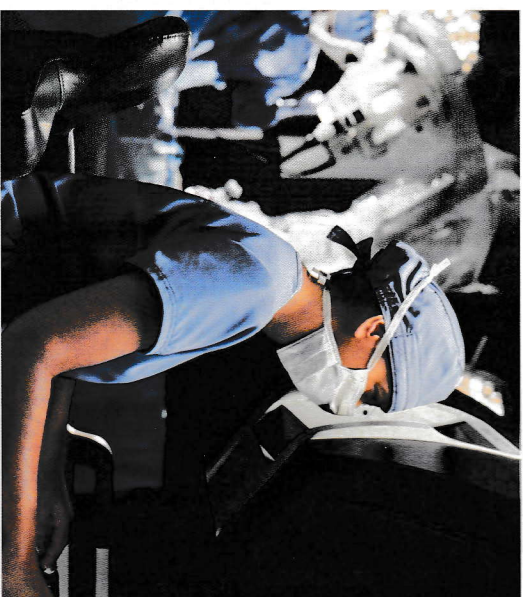
The urology specialty covers conditions of the male and female urinary tract system and the male reproductive system. The urinary tract includes the kidneys, bladder, and associated connective tissues and muscles. The male reproductive system encompasses the prostate gland, penis, testicles, and associated connective structures. Conditions that cause problems in these systems and may require medical attention include, but are not limited to, enlarged prostate, kidney blockage, benign tumours, and cancer.

If you have been diagnosed with a urologic condition that requires surgery, you and your doctor should discuss your options and decide which approach is right for you.



What will my surgeon do?

If you and your doctor decide that robotic-assisted surgery is right for you, here is what may happen.



Actual incision
size (~2 cm)

During robotic-assisted surgery, your surgeon makes one small incision and uses a 3DHD, fully articulating camera for a clear view of the surgical area.



Your surgeon sits at a console next to you and operates through the single incision using tiny instruments and the camera.



The system translates every hand movement your surgeon makes in real-time, bending and rotating the instruments into smaller, more precise movements.

What is single-port robotic-assisted surgery?

Single-Port robotic-assisted surgery is a minimally invasive technique enabling the surgeon to operate through a single incision and perform some surgeries less invasively, applying new surgical techniques and extending surgical options to more patients for a range of complex procedures.

What are the outcomes?

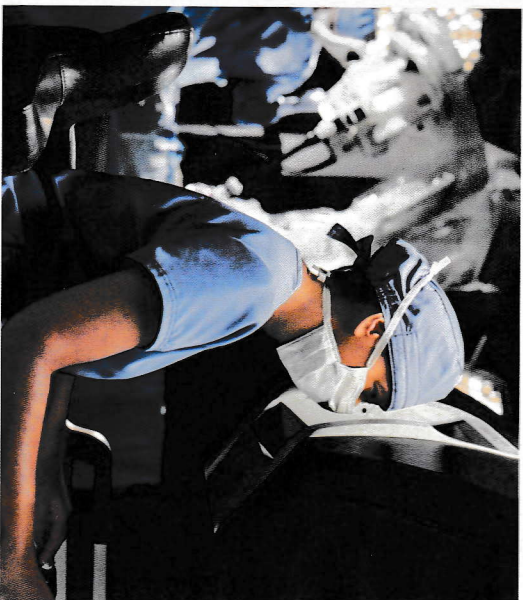
Be sure to talk with your surgeon about the surgical outcomes they deliver using robotic-assisted surgery, as every surgeon's experience is different. For example, you might ask about:

- Potential benefits of a simple prostatectomy using single-port robotic surgery, including:
 - Same-day discharge and minimal pain for many patients¹
 - Reduced rate of post-operative complications, readmissions, shorter catheter duration, and improved functional outcomes relative to a multiport approach?
- Length of hospital stay
- Complication rate
- Chance of switching to an open procedure
- Length of surgery

There are additional outcomes of surgery you may want to talk with your doctor about. Please ask them about all the potential outcomes of surgery.

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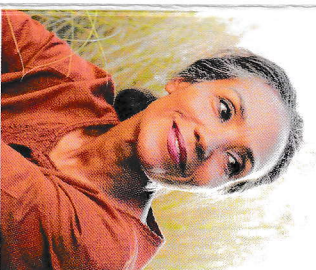
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Get back to what
matters most.



What is urology surgery?

Your doctor may suggest surgery for conditions involving the prostate or kidney, including:

Simple prostatectomy — surgery removing only the obstructing part of the prostate that is blocking the flow of urine, commonly performed for benign prostatic hyperplasia (or enlarged prostate).

Radical prostatectomy — surgery for localised cancer removing the prostate gland and nearby tissue as well as any lymph nodes, if necessary.

Partial or radical nephrectomy — surgery to remove some (partial) or all (radical) of the affected kidney.

Pyeloplasty — surgery to relieve kidney blockage, allowing urine to drain into the bladder.

If you are a candidate for surgery, your surgeon may recommend:



Open surgery

Surgeon makes an incision large enough to see the entire surgery area and performs the procedure using hand-held tools



Laparoscopic surgery

Surgeon makes a few small incisions and operates using special long-handled tools while viewing magnified images from the laparoscope (camera) on a video screen



Robotic-assisted surgery

Surgeon controls the robotic system to perform the procedure

References

1. Mahmoud Abou Zeinab, Alp Tuna Beksac, Corse T, et al. The Multi-Institutional Experience in Single Port Robotic Transvesical Simple Prostatectomy for Benign Prostatic Hyperplasia Management. *J Urol.* 2022 Aug;208(2):369-378.
2. Mahmoud Abou Zeinab, Ramos R, Ferguson EL, et al. Single Port vs Multiport Robot Assisted Simple Prostatectomy: A Multi-Institutional Study from the SPARC. *Urology.* 2023 Jun;176:94-101.

Surgical risks

Patients should consult their physician to decide whether robotic-assisted surgery is appropriate in the individual case in order to make an informed decision taking into account benefits and risks.

Important safety information

Patients should talk to their doctor to decide if robotic-assisted surgery is right for them. Patients and doctors should review all available information on nonsurgical and surgical options and associated risks in order to make an informed decision.

Serious complications may occur in any surgery, including robotic-assisted surgery, up to and including death. Serious risks include, but are not limited to, injury to tissues and organs and conversion to other surgical techniques which could result in a longer operative time and/or increased complications.

For important safety information, including surgical risks and considerations, please talk to your doctor.

Individuals' outcomes may depend on a number of factors—including but not limited to—patient characteristics, disease characteristics, and/or surgeon experience.

This document is intended as an educational tool for patients who have been considered potential candidates for Single-Port robotic surgery.

Intuitive robotic systems are distributed by Device Technologies in Australia.

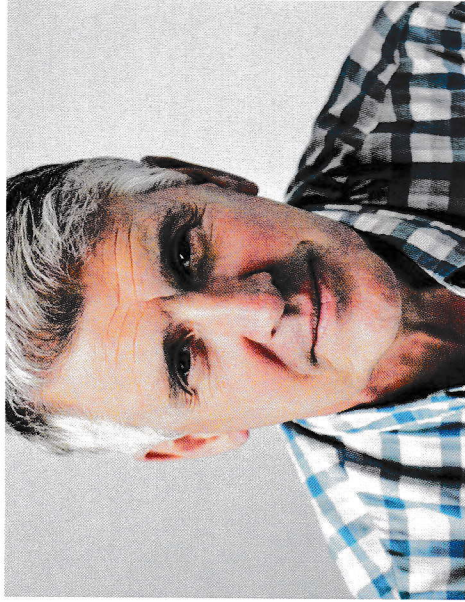
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Surgeon controls the robotic system to perform the procedure

How can you prepare for surgery?

One way to learn more about your surgery is to ask your doctor and care team questions. Here are some questions you might ask:

- What medical and surgical options are available for me? Which is best for my situation?
- What are the differences between open, laparoscopic, and robotic-assisted surgery?
- Should I get a second opinion?
- What am I likely to experience after surgery?
- If I decide to have surgery, how can I prepare for it?
- How long before I can resume routine activity?
- What is your surgical training and experience?
- What is your experience with robotic-assisted surgery?
- What are your patient outcomes?

References

1. Mahmoud Abou Zeinab, Alp Tuna Beksac, Corse T, et al. The Multi-Institutional Experience in Single Port Robotic Transvesical Simple Prostatectomy for Benign Prostatic Hyperplasia Management. *J Urol.* 2022 Aug;208(2):369-378.
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