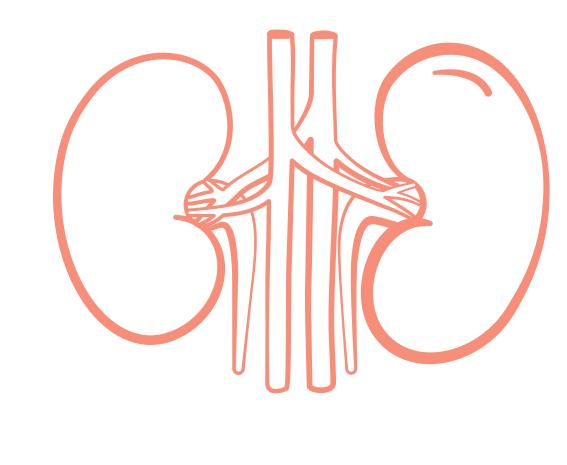
KIDNEY CANCER also known as renal cell

carcinoma, can be a major source of concern for individuals on the Indian subcontinent. Certain risk



factors, such as smoking, obesity, high blood pressure, and chemical exposure, may all contribute to the development of kidney cancer.²⁰

Cell Carcinoma in India is[®]

The projected incidence of Renal





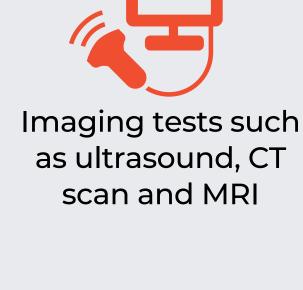




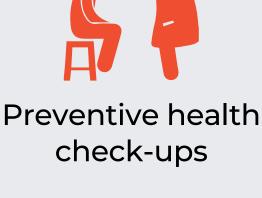
Regular preventive health check-ups are vital for early

METHODS FOR DIAGNOSIS⁽³⁾

detection and prevention of kidney cancer by identifying warning signs and risk factors, even when symptoms are not apparent in the early stages.





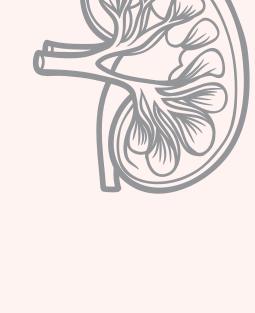


MANAGED? Surgery is the primary treatment approach for early-stage kidney

HOW IS KIDNEY CANCER

different types based on the extent of the disease and the goals of treatment **SURGERY: RADICAL NEPHRECTOMY**

cancer. Surgery for kidney cancer can be categorized into



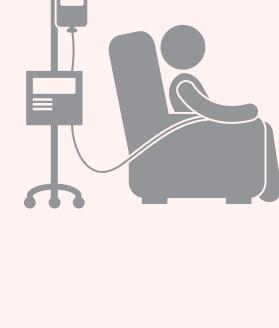
Radical Nephrectomy: Removal of the affected kidney and surrounding tissues. It is usually done for larger or more

procedures or treatments. While radical nephrectomy has its benefits, it should be noted that removing the entire kidney can affect overall kidney function.

advanced tumors, either alone or as an adjunct to other

SURGERY: PARTIAL NEPHRECTOMY Partial Nephrectomy: Removal of the tumor and a small

portion of the kidney, preserving healthy tissue.



• Reduced risk of chronic kidney disease Lower risk of long-term complications and need for

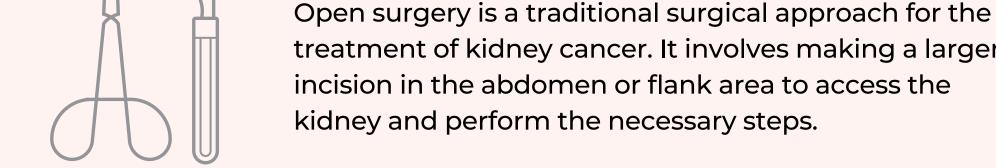
In most early-stage tumors, partial nephrectomy is the preferred option due to the above-mentioned reasons.

Key points about Partial Nephrectomy:

• Kidney function preservation

dialysis.

Surgery for kidney cancer can be done in three ways:



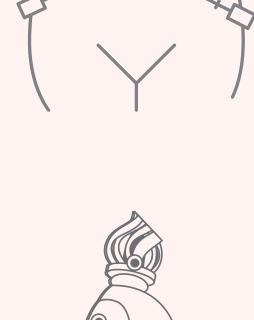
1. OPEN SURGERY

treatment of kidney cancer. It involves making a larger incision in the abdomen or flank area to access the kidney and perform the necessary steps.

It is a minimally invasive surgical technique that uses

procedures, including radical nephrectomy, partial

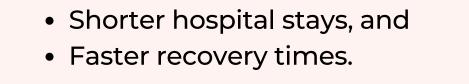
small incisions. It can be used for various kidney cancer



nephrectomy, and lymph node dissection. However, not all patients or tumor characteristics (size or location) are suitable for laparoscopic surgery.

2. LAPAROSCOPY

3. ROBOTIC SURGERY Robotic partial nephrectomy is rapidly becoming the preferred treatment for early-stage kidney cancers due to its exceptional accuracy, reduced risk of complications, and improved preservation of kidney function.

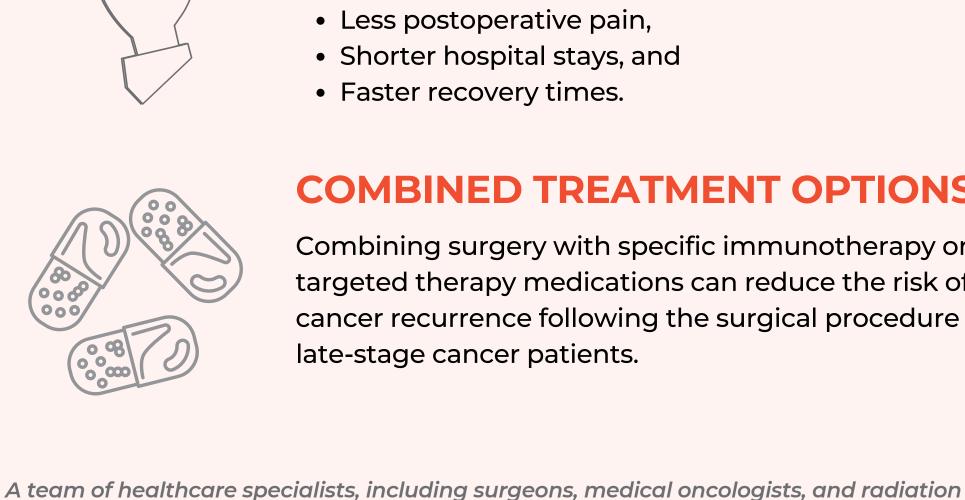


Key points about robotic surgery:

Precision and Accuracy,

• Less postoperative pain,

• Reduced blood loss,



Combining surgery with specific immunotherapy or targeted therapy medications can reduce the risk of

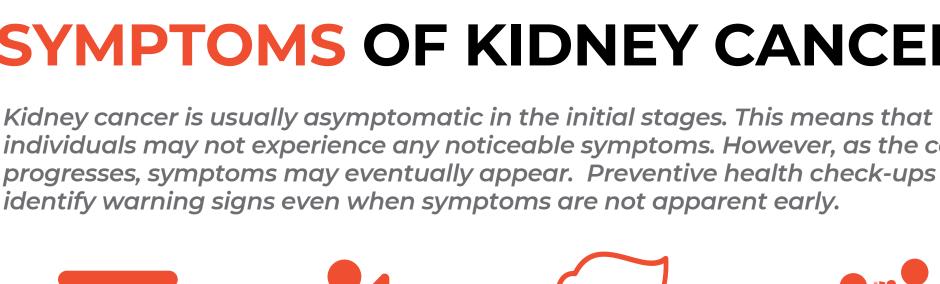
late-stage cancer patients.

oncologists work together to create a personalized treatment plan that maximizes the patient's

COMBINED TREATMENT OPTIONS

cancer recurrence following the surgical procedure for

SYMPTOMS OF KIDNEY CANCER (4,5) Kidney cancer is usually asymptomatic in the initial stages. This means that individuals may not experience any noticeable symptoms. However, as the cancer



chances of success.

(hematuria)

Blood in

urine



Maintain a

healthy

weight

Prevention of kidney cancer incidence and recurrence: lifestyle, medication and nutrition. Current opinion in urology, 28(1), 62-79.



Loss of

appetite and

weight loss



Identification via

preventive

health

check-ups

Control

blood pressure



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Quit

smoking

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