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# LAPAROSCOPIC UROLOGY

By Dr. ShyamVarma

Laparoscopic surgery, also called minimally invasive surgery (MIS), or keyhole surgery, is a modern surgical technique in which operations in the abdomen are performed through small incisions (usually 0.5–1.0 cm) as opposed to the larger incisions needed in open surgery. Using a small telescope with built-in magnification mechanism and a variety of long, thin surgical instruments placed through approximately 3-5 incisions (each of which is usually no larger than a cm in size), the surgeon is able to perform minimally invasive surgery for a variety of urologic diseases and problems. Laparoscopic surgery includes operations within the abdominal or pelvic cavities.

## Advantages with laparoscopic surgery compared to an open procedure includes

- Reduced pain due to smaller incisions and less blood loss
- Shorter hospital stay
- Better cosmetic results
- Shorter recovery time

Minimally invasive surgery has been applied to a multitude of benign (non-cancerous) and malignant (cancerous) urologic problems. Furthermore, it has been applied to conditions affecting a variety of urologic organs (including kidney, adrenal gland, ureter, bladder, prostate, lymph nodes).

# Surgeries commonly performed through laparoscopy are



- Radical, simple and partial nephrectomy for kidney disease/cancer
- Donor nephrectomy for transplant
- Adrenelectomy for adrenal diseases
- Renal cyst surgery
- Pyeloplasty, pyelolithotomy, ureterolithotomy for PUJO/renal stones
- Uretero-ureterostomy, ureteric reimplantaion for ureteric stricture or reflux
- Bladder diverticulectomy for bladder diverticulum
- Radical cystectomy for bladder cancer
- Radical prostatectomy for prostate cancer
- Vesico vaginal/uterine fistula surgery
- Orchiopexy for undescended testicle



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Dr Shyam Varma is a Consultant Laparoscopic/ Robotic Urologist & Renal Transplant Surgeon. He has over 15 years of experience in successfully treating complex urological diseases. His expertise includes diagnosing & treating Kidney stones, prostate enlargement, prostate cancer, kidney cancer, bladder cancer & incontinence, male infertility & erectile dysfunction.