



# MEET McLAREN ROBOTIC SURGERY

The robotic experts at McLaren Flint use minimally invasive robotic surgical techniques, allowing for much smaller incisions. These techniques are more precise and take less time than traditional laparoscopic procedures of the same nature.

The robotic technology used for non-orthopedic procedures has an enhanced high-resolution three-dimensional imaging system which allows surgeons to perform delicate procedures with a greater range of motion, control, and precision. Orthopedic robotic-arm assisted surgery uses CT-based 3D modeling of bone anatomy to create a personalized surgical plan based on each patient's unique anatomy.

## ADVANTAGES OF ROBOTIC SURGERY

- Shorter hospital stays
- Less pain
- Less risk of infection
- Faster recovery
- Less scarring
- Reduced blood loss and transfusions
- Speedier return to daily activities

## ROBOTIC SURGERY SPECIALTIES AND PROCEDURES:

### Colorectal

- Improved cancer margins and faster frozen section results on critical specimens
- Less chance of surgeon converting to open surgery

### Urological

- Prostatectomy
- Nephrectomy
- Pyeloplasty
- Nephroureterectomy

- Varicocelelectomy
- Ureter repair and ureteral reimplantation
- Rectopexy
- Bowel resection

### Pulmonary and Thoracic

- Thoracoscopy
- Lobectomy
- Ion bronchoscopy
- Endobronchial ultrasound (EBUS)

### Gynecologic

- Hysterectomy
- Endometriosis
- Salpingectomy and Salpingo-Oophorectomy
- Sacrocolpopexy
- Myomectomy
- Dilation and Curettage intrauterine ablation

### Orthopedics

By selectively targeting the damaged cartilage, the surgeon can spare the healthy bone and ligaments surrounding the arthritic portion of the joint. Robotic-arm assisted technology provides the surgeon a patient-specific 3D model to pre-plan the joint replacement.

#### This technology is used for:

- Total hip replacement
- Total and partial knee replacement

## SURGICAL SERVICES RESOURCES

Director: (810) 342-2412

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