Operation
Robotics

Precise Handling. Quicker Recovery.

On the cutting edge of less invasive surgical technology are robot-assisted procedures. The da Vinci® Surgical System, developed in early 2000, allows surgeons to perform more complex, less invasive procedures that were not possible in the past.

During a robot-assisted procedure, the surgeon sits at a console several feet from the patient. The camera and miniaturized, fully articulated instruments are introduced using small incisions. State-of-the-art robotic and computer technologies scale, filter, and seamlessly translate the surgeon’s hand movements into precise micro-movements of the da Vinci instruments. Da Vinci’s magnified, three-dimensional, high-definition view gives surgeons the sensation of almost being inside the human body.

Carlos Galvani, MD
Director, Minimally Invasive and Robotic Surgery

Practice Locations

Clinics
Multispecialty Surgery Clinics
UMC Fourth and Fifth Floor
1501 N. Campbell Ave.
Tucson, AZ 85724
(520) 694-1000

The Arizona Cancer Center
UMC North
3838 N. Campbell Ave.
Tucson, AZ 85719
(520) 694-2873

Hospital
University Medical Center
1501 N. Campbell Ave.
Tucson, AZ 85724
(520) 694-6000

www.surgery.arizona.edu
www.umcarizona.org

A collaboration of the University of Arizona Department of Surgery and University Medical Center
The University of Arizona

**ADVANCED ROBOTIC SURGERY CENTER**

The latest surgical technology in the hands of top-notch surgeons.

The University of Arizona Department of Surgery and University Medical Center strive to bring the most advanced surgical technology to patients in the Southwest. They are expanding minimally invasive surgery (MIS) into uses for ever more complex procedures, including cancer treatments and bariatric surgery.

The UA Department of Surgery Advanced Robotic Surgery Center is the most comprehensive robotic surgery program in Southern Arizona. Our multispecialty approach brings together renowned experts to ensure that our patients quickly benefit from the remarkable new advances in minimally invasive surgical techniques.

---

### General Surgery

**Bariatric Surgery**
- Gastric bypass

**Esophageal and Gastrointestinal Surgery**
- Gastroesophageal reflux disease
- Hiatal hernia repair
- Revisional surgery after failed antireflux procedures (recurrent heartburn)
- Management of achalasia (swallowing disorders)
- Gastrointestinal tumors
- Esophageal and gastric cancer

**Gallbladder Surgery**
- Cholecystectomy
  (intraoperative cholangiography)
- Ultrasound of the biliary tree
- Common bile duct exploration

### Transplant

Donor nephrectomy (kidney removal)

### Surgical Oncology

**Pancreatic Cancer Surgery**
- Pancreas resection
- Pancreatectomy (pancreas removal)

**Liver Cancer Surgery**
- Liver resection
- Hepatectomy (liver removal)

**Lung Cancer Surgery**
- Lung resection
- Mediastinal tumors

### Urology

**Prostate Surgery**
- Radical prostatectomy (nerve-sparing removal of the prostate gland) for prostate cancer

**Kidney Surgery**
- Partial nephrectomy for renal cancer
- Pyeloplasty for ureteropelvic junction obstruction of the kidney

**Urinary Surgery**
- Cystectomy with neobladder reconstruction for bladder cancer
- Ureteral reimplantation for stricture disease
- Sacrocolpopexy for vaginal prolapse

### Colorectal Surgery

**Rectopexy for Rectal Prolapse**

**Abdominal Perineal Resection**

**Low Anterior Resection**

**Right and Left Colon Resection**

### Endocrine Surgery

**Adrenal Gland Surgery**

**Thyroid Surgery**

---

To refer a patient or to schedule an appointment, call (520) 694-1000.