At CTCA® Chicago, our board certified and fellowship-trained surgeons have extensive experience in performing general, complex and minimally invasive oncology surgeries. As part of a multidisciplinary team, they collaborate with other CTCA providers, including radiation oncologists for intraoperative radiotherapy (IORT), to focus on optimizing patients’ quality of life and minimizing side effects. Within this integrative setting, we support all aspects of treatment, coordinating biopsies, consultations and diagnostic studies and offering rapid results.

Our Surgical Offerings

**ADVANCED SURGICAL RECOVERY PROGRAM (ASURE)**
Program designed to help patients recover quicker and with fewer complications after surgery. Delivered by a multidisciplinary team using evidence-informed protocols, with a focus on physical therapy, pain management, nutrition, respiratory therapy and chiropractic services.

**BREAST CANCER SURGERY AND RECONSTRUCTION**
- Integrated multidisciplinary team evaluation and treatment plan
- Onsite genetic counseling integration
- Breast cancer risk assessment
- Breast conservation surgery with oncoplastic reconstruction
- Minimally invasive hidden scar technique
- Nipple- and areola-sparing mastectomy
- Skin-sparing mastectomy
- Sentinel lymph node biopsy
- Total or targeted axillary lymph node dissection
- Risk-reducing mastectomy for high-risk patients
- Regional blocks allowing opioid reduction
- Immediate and delayed reconstruction
- Implant-based reconstruction; pre-pectoral implant-based reconstruction
- Autologous reconstruction (tissue based)
- Microvascular reconstruction ( DIEP, SIEA, thigh-based)
- Intraoperative XRT
- Resection of locally advanced tumors
- Partial and radical nephrectomy, including laparoscopic and robot-assisted
- Transurethral resection of prostate or bladder lesions
- Intravesical chemotherapy/immunotherapy
- Bladder reconstruction
- Continent ureterostomy
- Urethroplasty
- Artificial urinary sphincters
- Penile prosthesis
- Percutaneous renal surgery (stones)

**GASTROINTESTINAL SURGERY**
- Colorectal surgery
- Esophageal and gastric surgery
- Hepato-pancreato-biliary surgery
- Cytoreductive surgery/debulking
- Heated intraperitoneal chemotherapy (HIPEC)
- Pelvic exenteration
- Sphincter-preserving surgery
- Robot-assisted and minimally invasive surgery
- Palliative surgery
- Complex multiorgan resection
- Pelvic malignancy resection
- Ovarian cancer debulking surgery, including radical resection and staging
- Ovarian cancer interval debulking with or without HIPEC
- Robot-assisted laparoscopic ovarian cancer interval debulking
- Robot-assisted total hysterectomy with sentinel lymph node biopsies for endometrial cancer
- Fertility preservation, when indicated
- Radical hysterectomy
- Risk-reducing bilateral salpingo-oophorectomy
- Radical and modified radical vulvectomy

**GENITOURINARY SURGERY**
- Prostatectomy, including robot-assisted
- Partial and total cystectomy, including laparoscopic and robot-assisted
GYNECOLOGIC ONCOLOGY
SURGERY (CONT.)
• Sentinel lymph node staging
• Vaginectomy with reconstruction
• Pelvic exenteration with plastic reconstruction

HEAD AND NECK SURGERY
• Transoral laser surgery of the larynx
• Laryngectomy, total and partial
• Resection of oral cavity cancers including glossectomy, mandibulectomy and palate resection
• Endoscopic and open pharyngeal resection
• Maxillectomy
• Neck dissection
• Thyroidectomy
• Parathyroidectomy
• Parotidectomy and other salivary gland cancers
• Complex free flap reconstruction

MELANOMA AND
SOFT TISSUE TUMORS
• Melanoma resection
• Sentinel node biopsy
• Regional lymph node dissection
• Retroperitoneal sarcoma resection
• Soft tissue sarcoma resection
• Complex soft tissue reconstruction

NEUROSURGERY
• Craniotomy for brain tumor
• Navigation for stereotactic tumor biopsy
• Minimally invasive brain path tumor resection
• Intraoperative neuromonitoring, brain mapping, BEARS, evoked potential response, facial nerve monitoring
• Awake brain surgery
• Endoscopic brain surgery, III ventricle tumor resection, endoscopic III ventriculostomy
• Endoscopic pituitary tumor resection
• Use of minimally invasive ultrasound for tumor resection
• Ommaya reservoir and ventriculoperitoneal shunting
• Minimally invasive MTRx spine tumor resection
• Primary and metastatic spine tumor resection, laminectomy
• Primary and metastatic spine tumor resection, fusion instrumentation
• Intraoperative vertebroplasty/kyphoplasty
• Minimally invasive laminectomy for pain management/sciatic pain
• Placement of spinal stimulators and pain pump
• Spine and peripheral neuromonitoring, motor evoked potentials (MEPs), somatosensory evoked potentials (SSEPs)
• Laminectomy, fusion for chronic pain (non-cancer related)

THORACIC SURGERY
• Lobectomy/segmentectomy
• Minimally invasive lung resection (VATS)
• Robot-assisted thoracic surgery
• Mediastinal tumor resection
• Extra pleural pneumonectomy for mesothelioma
• Metastatectomy
• Heated intrathoracic chemotherapy (HiTEC) for pleural mesothelioma
• Chest wall resection and reconstruction for chest wall tumors

ORTHOPEDIC SURGERY
• Resection of primary and metastatic bone lesions
• Intramedullary rodding for metastatic bone lesions
• Open reduction and internal fixation for metastatic bone fractures
• Partial and total arthroplasty for primary and metastatic bone lesions

LYMPHEDEMA MANAGEMENT
• Vascularized lymph node transfer
• Lymphaticovenular bypass surgery
CLINICAL TEAM

Miral Amin, MD, FACS
Surgical Oncologist; Oncoplastic Breast Surgeon

Stephen P. Ray, MD, FACS, DABMA
Medical Director, CTCA Chicago Breast Cancer Center; Medical Director of Oncoplastic Reconstructive Surgery; Oncoplastic Breast Surgeon

Julian Schink, MD
CTCA Chief Medical Officer; Senior Vice President of Clinical Affairs, CTCA Chicago; Gynecologic Oncologist

Hatem Halabi, MD, FACS
Interim Chair, CTCA Department of Surgery; Director of Robotic Surgery, CTCA Chicago; Surgical Oncologist

Carol Bier-Laning, MD, MBA, FACS
Otolaryngologist

Juan Alzate, MD
Neurosurgeon

Peter Baik, DO, FACOS, FACS
Thoracic Surgeon

Raza Khan, MD
Urologist

Daniel Liu, MD
Plastic and Reconstructive Surgeon

Nejd Alsikafi, MD, FACS
Urologist

Sutchin Patel, MD, FACS
Urologist

Aaron Pelletier, MD
Chief of Surgical Services; Plastic and Reconstructive Surgeon

Herbert H. Beck, III, MD
Gynecologic Oncologist

Richard Schmidt, MD
Medical Director of Orthopedic Oncology; Orthopedic Surgeon
REFERRING A PATIENT
Our team is committed to keeping referring physicians updated on patients’ statuses through HIPAA-compliant communications, as well as appropriately and deliberately transitioning patients back into their care upon surgical completion.

Phone 847.746.9990  |  Fax 847.342.4089
Email IL-referrals@ctca-hope.com

Please send patient information via fax or encrypted email.

Comprehensive Care and Research Center
CHICAGO

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