
Department of Surgery

The Department of Surgery at University Hospital Hradec Králové is one of the largest and most comprehensive surgical centres in the Czech Republic. Annually, it provides outpatient care to approximately 60,000 patients, admits nearly 5,000 patients for hospitalization, and performs over 5,000 surgical procedures. This state-of-the-art facility combines modern treatment methods, innovative research, and high-quality education. Thanks to its broad range of specialities and advanced technological resources, the department delivers care at the highest level. It is an accredited centre for training young surgeons and significantly contributes to scientific research in the field of surgery.

Advanced Surgical Technologies

The department employs modern robotic surgical systems that enhance surgeries' precision and minimally invasive nature. Robotic surgery is mainly utilized in oncological and abdominal procedures, offering benefits such as shorter recovery times and reduced risk of complications.

Transplantation Programs

The department actively participates in transplantation programs, focusing mainly on kidney transplantation. These procedures are carried out in collaboration with other University Hospital Hradec Králové departments.

Specialized Departments

The Department of Surgery is divided into specialized units, covering a broad spectrum of surgical disciplines:

General Surgery and Oncological Surgery

This unit provides care for patients with digestive tract diseases, abdominal cavity, and other organs. It performs a broad range of procedures, from routine surgical interventions to complex oncological surgeries. Modern techniques, including laparoscopic and robot-assisted surgeries, ensure minimally invasive and effective treatment.

Trauma Surgery and Traumatology

As a Level I regional trauma centre for the Hradec Králové and Pardubice regions, this unit specializes in treating trauma patients, including polytrauma cases. It provides comprehensive acute and follow-up care using the latest diagnostic and therapeutic technologies.

Vascular Surgery

The Vascular Surgery unit focuses on the specialized diagnosis and treatment of chronic and acute arterial and venous conditions (including trauma) throughout the body, excluding coronary vessels, the ascending aorta, and the aortic arch. The unit performs vascular reconstruction surgeries and manages patients with acute and chronic vascular complications. It provides 24/7 emergency services for vascular conditions such as embolism, acute arterial thrombosis, bleeding, and injuries. The unit serves as a referral centre for the Hradec Králové region and neighbouring areas, closely collaborating with interventional radiologists, radiologists, and other specialists within the hospital.

Plastic Surgery

This unit offers comprehensive care in plastic, reconstructive, and aesthetic surgery. In addition to a wide range of cosmetic procedures, it specializes in reconstructive surgeries for breast cancer patients, including prophylactic mastectomies with immediate reconstruction when indicated. The unit also treats patients with acute injuries requiring reconstructive interventions, pressure ulcers, and chronic wounds. Hand surgery (including endoscopic carpal tunnel release and minimally invasive Dupuytren's contracture treatment), skin tumour surgery, correction of selected congenital defects, and burn treatment (up to 20% body surface area) are also key areas of expertise.

Research Activities

The Department of Surgery plays a vital role in scientific and research activities. Participation in national and international research projects enables developing and implementing new surgical techniques and treatment methods. Research outcomes are regularly published in prestigious scientific journals and presented at professional conferences.

Education

The department provides undergraduate medical education within the Faculty of Medicine, Charles University study program, and contributes to postgraduate training for young surgeons. Educational activities include not only theoretical instruction but also practical training.