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# Presentation of Department

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The Department of Internal Medicine is a general internal medicine facility focused on gastroenterology, hepatology, and clinical nutrition. The department runs both undergraduate and postgraduate medical education programs, and are accredited by the Ministry of Health of the Czech Republic and the Czech Medical Chamber for internal medicine specialties and hepatogastroenterology. The Clinic comprises a standard acute care ward, an intensive care unit (ICU) and an outpatient unit. The whole department underwent reconstruction and meets all current mandatory sanitary requirements as well as today's aesthetic standards for medical institutions. We perform a wide range of diagnostic and therapeutic endoscopic procedures as well as ultrasound-based diagnostic procedure. Our clinic offers comprehensive preventive and therapeutic care to patients with a wide range of internal medical conditions and highly specialized care in the fields of gastroenterology, hepatology, and clinical nutrition. By adopting a professional as well as personalized approach, we attain high levels of quality medical care and patient satisfaction.

## **Specialized services and examinations:**

- Sonography
- Endoscopy
- Percutaneous endoscopic gastrostomy (PEG)
- Biological therapy of inflammatory bowel disease
- Colorectal cancer screening and detection
- Treatment of chronic viral and autoimmune hepatitis

## **Outpatient services covering specialties listed below**

- General internal medicine
- Cardiology
- Diabetology
- Gastroenterology and hepatology
- Nutrition therapy including nutrition support therapy (parenteral and enteral nutrition)
- Angiology

## **Diagnostic and therapeutic procedures available**

### **Sonography**

- Abdominal ultrasound
- Thyroid gland ultrasound
- Doppler Carotid artery ultrasound
- Lower and upper venous Duplex ultrasound
- Cardiac ultrasound (echocardiography and transesophageal echocardiography)

### **Endoscopic procedures**

- Gastroscopy (diagnostic and therapeutic)
- Colonoscopy (diagnostic and therapeutic)
- Enteroscopy (double-balloon enteroscopy, single-balloon enteroscopy)
- ERCP (endoscopic retrograde cholangiopancreatography)
- Endosonography
- Endocytoscopy
- Capsule endoscopy

### **Other procedures related to gastroenterology**

- Diagnostic laparoscopy
- Esophageal manometry
- Esophageal pH-metry
- Liver biopsy

### **Other techniques of examination available**

- 24-hour ambulatory blood pressure monitoring (Holter)
- Indirect calorimetry

## **Education**

The Department of Internal Medicine provides both undergraduate and postgraduate medical education in the fields of internal medicine, gastroenterology, hepatology and clinical nutrition. It is accredited to provide training and has been licensed for a wide variety of endoscopic methods and abdominal ultrasound. The department also helps to facilitate the postgraduate training of nurses with regard to endoscopic techniques.

## **Research**

The main lines of research carried out at the Department of Internal Medicine cover colorectal cancer, inflammatory bowel disease, and nutrition support therapy. The department participates in Czech and international grant-funded projects and studies.