
3rd Department of Internal Medicine

– Metabolic Care and Gerontology

We are an internal clinic providing outpatient and inpatient medical care with a special focus on: - acute diagnosis and treatment of patients with metabolic and nutritional disorders

- intensive metabolic care
- care of critically ill patients with internal diagnoses and internal complications of surgical and trauma diseases
- provision of patients requiring parenteral and enteral nutrition, especially in complicated situations
- special diagnostics and therapy of metabolic and nutritional diseases (diabetes, obesitology, lipid metabolism disorders)
- diagnosis and treatment of acute conditions in old age
- diagnosis and treatment of internal diseases, with a special focus on internal diseases of old age and premature ageing
- monitoring and treatment of patients after kidney transplantation
- treatment with plasmapheresis and other elimination methods (CVVH, LDL apheresis)
- treatment of patients with intoxications requiring the use of elimination methods (haemoperfusion, haemodialysis)

Main research topics

- Prediction of cardiovascular risk and prognosis in patients with hypercholesterolaemia by genomic and metabolomic analysis
- Cardiovascular effects of flavonoid metabolites and the influence of metabolic risk factors
- Development of novel infusion solutions to specifically treat indoor environmental disturbances in bacterial and viral infections in intensive and long-term care

Achievements

2022: 1st prize in the Society of Parenteral and Enteral Nutrition and Intensive Metabolic Care's Best Publication Competition for original work by authors under 35 years of age: "The Impact of Glucose-Based or Lipid-Based Total Parenteral Nutrition...." (Skořepa, MD)