



Topics of the internal medicine clinical practice in the 11th semester

Ambulatory clinical activities

- Taking history and communication with the owner
- Safe and human restraint (handling) of animals for the clinical examination as well as for diagnostic procedures
- Physical examination and status praesens
- The basics of the problem-oriented approach: problem list, diagnostic and therapeutic plan
- Writing clinical cards and medical records
- Consultation with the owners on animal husbandry and dietetics
- Vaccination and deworming protocols, implementation of microchips, prescription writing
- Performing euthanasia humanely, its indications

Emergency and intensive care

- Examination, monitoring and care of critically ill patients
- Fluid therapy
- Cardiopulmonary resuscitation, intubation
- Oxygen therapy

Sampling techniques

- Taking blood samples, intravenous catheterization
- Cystocentesis (“blind” and ultrasound-guided)
- Fine needle aspiration
- Urethral catheterization

Laboratory diagnostics

- “By the table” examinations: microhematocrit, blood glucose measurement, bleeding and coagulation time, urinalysis with dipstick,
- Interpretation of laboratory results



Additional diagnostic methods

- Indications and performing abdominal ultrasonography
- Indications and performing echocardiography
- Indications and performing electrocardiography
- Blood pressure measurement
- Endoscopy

Aspects of the differential diagnosis and therapy of the most common internal disorders

1. Differential diagnosis of diarrhoea
2. Differential diagnosis of vomitus
3. Differential diagnosis and therapy of gastrointestinal diseases
4. Therapy of fluid-, electrolyte- and acid-base disturbances
5. Differential diagnosis of anemia and coagulopathies; blood transfusion
6. Differential diagnosis of icterus, therapy of the liver diseases
7. Differential diagnosis and therapy of the diseases of the urinary system
8. Differential diagnosis of polyuria/polydipsia
9. Differential diagnosis of coughing and dyspnea; therapy of the diseases of the respiratory organs
10. Therapy of the cardiological patients
11. Differential diagnosis and therapy of seizures
12. Differential diagnosis of the pruritus and alopecia; therapy of a dermatological patient