

DENTISTRY

Internal diseases

Practical classes

Semester 5

1. Organization of the Internal Ward. Interviewing and comprehensive health history taking. Principal symptoms of diseases: pain, fainting, dizziness, dyspnoea, edema, heart palpitation.
2. Medical history taking. Social interview, family history, epidemic diseases, stimulants, medications. Simplifying evaluation of the patient general status (consciousness, complaints, vital signs).
3. Assessment of the patient's general health status (vital signs, cognitive and psychological status, nutritional status). Skin assessment. Examination of head, neck and lymph nodes.
4. Examination of the chest. Types of chest. Topography of chest organs. Chest percussion and auscultation.
5. Examination of the respiratory system. General palpation of the chest wall. Percussion of lungs. Breath sounds.
6. Chest examination continuation: the heart. Inspection and palpation of the heart region. Cardiac apex impulse.
7. The cardiac examination. Heart sounds and murmurs, heart rate.
8. Examination the vascular system. Blood pressure measurement. Arterial pulse characteristics. Physical examination of limb vessels. Symptoms of deep vein thrombosis and critical limb ischemia. Oedemas.
9. Abdomen examination – quadrants and regions of the abdomen, common findings on inspection, auscultation and palpation of the abdomen, causes of abdominal pain and distension.
10. Abdomen examination – locations of abdominal organs, examination of liver, spleen, pancreas. Gut sounds. Signs of peritoneal irritation.
11. Examination of genito-urinary system.
12. The physical examination of the spine and lower extremities, special maneuvers for examination of the spine, knee and ankle.
13. Neurologic examination – cranial nerves. Examination of touch, sharp, position and vibration sensation. Deep tendon reflexes examination. Tests of coordination. Abnormal gaits.
14. Summary and repetition.
15. Practical exam.

Semester 6

1. Respiratory disorders, part 1. Upper respiratory tract infections. Asthma vs COPD. Pulmonary function tests.
2. Respiratory disorders, part 2. Lower respiratory tract infections. Pneumonia. Pneumothorax . Hydrothorax. Lung abscess. Tuberculosis. Lung cancer. Radiological and diagnostic procedures.
3. Circulatory disorders, part. 1. Valvular heart disease. Congenital and acquired heart defects. Endocarditis, myocarditis and pericarditis. Systemic hypertension, primary and secondary arterial hypertension.
4. Circulatory disorders, part. 2. ECG. Atherosclerosis. Ischemic heart disease. Myocardial infarction.
5. Circulatory disorders, part. 3. Acute and chronic circulatory insufficiency. Cardiac arrhythmia. Thrombophlebitis and thromboembolism.
6. Gastrointestinal tract disorders, part 1. Patient with abdominal pain, dysphagia, vomiting, constipation, diarrhea. Acute abdomen. Gastrointestinal bleeding. GERD. Inflammatory bowel diseases. Irritated bowel syndrome.
7. Gastrointestinal tract disorders, part 2. Acute and chronic hepatitis. Liver cirrhosis. A patient with jaundice. Pancreatitis. Gallstone disease. GI tract cancers.
8. Urinary tract disorders. Symptoms, urine analysis, ultrasound examination. \approach to patient with hematuria and proteinuria. Glomerular diseases. Renal stones. Acute kidney failure. Chronic kidney disease. Renal replacement therapy.
9. Endocrine disorders, part 1. Diabetes mellitus, Hypoglycemia, comas. OGTT and other functional tests. Complications of diabetes mellitus.
10. Endocrine disorders, part 2. Disorders of pituitary, thyroid and suprarenal glands.
11. Endocrine disorders, part 3. Osteoporosis – diagnosis, prevention and treatment. . Parathyroid glands disorders: the role of parathormone, calcitonin and vitamin D in the homeostasis of calcium.
12. Arthrosis and arthritis. Systemic collagenous diseases: lupus, sclerodermia, rheumatoid arthritis.
13. Hematology: anemia, bleeding diathesis, leukemias, lymphadenopathy.
14. Allergy, drug intolerance, shock.
15. Summary and repetition.

Classes 4th year

Semester 7

Classes:

- 1 Cardiology for dentistry: coronary artery disease, heart failure, valvular heart disease – preparation of the patient with chronic circulatory disorders for dental procedures.
- 2 Respiratory tract disorders – asthma, COPD, respiratory insufficiency– preparation of the patient with chronic respiratory disorders for dental procedures.
- 3 Endocrine disorders – diabetes mellitus, disorders of pituitary, thyroid, parathyroid and suprarenal glands - preparation of the patient with endocrine disorders for dental procedures.
- 4 Hematological disorders - anemia, bleeding diathesis, leukemias - preparation of the patient with hematological disorders for dental procedures. Transfusion of blood products.
- 5 Gastrointestinal tract disorders – GERD, gastritis, stomach ulcers, viral hepatitis, liver cirrhosis, cholecystolithiasis (gallbladder stones), inflammatory bowel diseases – preparation of the patient with chronic gastrointestinal tract disorders for dental procedures.
- 6 Urinary tract disorders - chronic kidney disease - preparation of the patient with chronic kidney disease and renal replacement therapy for dental procedures.
- 7 Neurologic disorders – Parkinson’s disease, epilepsy - preparation of the patient with chronic neurologic disorders for dental procedures.
- 8 Disorders of oral cavity in internal diseases.
- 9 Infectious diseases. Fever of unknown origin. Antimicrobial prophylaxis and treatment in dental procedures.
- 10 Acute cardiac care in the dental office – principles of cardiopulmonary resuscitation.
- 11 Acute respiratory failure. Clinical signs, diagnosis and treatment, principles of cardiopulmonary resuscitation.
- 12 Principles of immunosuppressive treatment. Oral cavity sanitation before introduction of IS therapy. Antimicrobial prophylaxis.
- 13 Infected focus derived diseases diagnostic tests, symptoms and treatment.
- 14 Summary and repetition.