

THEMATIC PLAN OF PRACTICAL CLASSES
in otorhinolaryngology for 4th year students of FIS

Lesson 1. Clinical anatomy and physiology of the nose and paranasal sinuses, methods of their examination.

1. External nose (bone and cartilage bases).
2. Clinical anatomy of the nasal cavity.
3. Features of the blood supply to the nose. Kisselbach zone.
4. The structure of the mucous membrane of the nasal cavity, innervation. Olfactory analyzer.
5. Functions of the nose: respiratory, protective, olfactory, resonator, aesthetic. The importance of nasal breathing for the body.
6. Paranasal sinuses: structure and topography, features of their development, connection with the dentition.
6. Topography of the trigeminal nerve, the role of SNP pathology in the occurrence of trigeminal neuralgia.
7. Research methods: examination, palpation, determination of the respiratory and olfactory functions of the nose, anterior and posterior rhinoscopy, probing, punctures, radiography, tomography, optical rhinosinoscopy.

Lesson number 2. Clinical anatomy and physiology of the pharynx, larynx. Methods of their examination.

1. Pharynx, its departments, layers. parapharyngeal space. The pharyngeal space, its features in children.
2. Nasopharynx. Functional relationship between the nasopharynx and the middle ear. Oropharynx. The value of the muscles of the soft palate in speech function. The concept of open and closed nasality. hypopharynx.
3. Pharyngeal lymphadenoid ring. The structure of the palatine tonsils. Functions of the palatine tonsils: protective, hematopoietic, receptor (nerve-reflex connections with the heart, other organs and systems).
4. Blood supply, innervation, lymphatic drainage from the pharynx. Functions of the pharynx: swallowing, sucking, speech, protective, gustatory.
5. Cartilages, joints, ligaments, muscles of the larynx and their functions. The structure of the mucous membrane of the larynx. Blood supply, innervation, lymphatic system of the larynx. Topographic anatomy of recurrent nerves.
6. Respiratory, protective, vocal, speech functions of the larynx.
7. Clinical anatomy, methods of examination of the pharynx, larynx.

Lesson number 3. Clinical anatomy and physiology of the ear. Research methods.

1. Anatomy of the outer ear.
2. Middle ear: system of planes, walls of the tympanic cavity, auditory ossicles. Types of structure of the mastoid processes. auditory tube. Blood supply and innervation of the middle ear.

3. Inner ear: the structure of the cochlea and its receptor apparatus. Clinical anatomy of the vestibule and semicircular canals.
4. Age-related anatomical and topographic features of the ear.
5. Pathways and centers of the auditory and vestibular analyzers.
6. Physiology of the ear. theories of hearing. Adequate stimuli of the vestibular analyzer. Nystagmus, its characteristics.
7. Methods of examination of the ear.

Lesson number 4. Diseases of the nose and paranasal sinuses.

1. Furuncle, abscess of the vestibule of the nose. Etiology, clinic, diagnosis, treatment.
2. Eczema, erysipelas. Etiology, clinic, diagnosis, differential diagnosis and treatment.
3. Hematoma, abscess of the nasal septum. Etiology, treatment, prognosis.
4. Curvature of the nasal septum. Indications for surgical treatment.
5. Fractures of the bones of the nose (open, closed). Urgent care.
6. Nosebleeds. Etiology, emergency care.
7. Foreign bodies of the nasal cavity. Clinic, diagnosis, treatment.
8. Acute and chronic rhinitis. Forms. Etiology, clinic, diagnosis, treatment.
9. Ozena. Etiology, pathology, clinic, diagnostics, treatment.
10. Acute and chronic sinusitis. Forms, etiology, clinic, diagnostics, treatment.
11. Fungal diseases of the nose and SNP. Features of the clinic, diagnosis and treatment.
12. Benign and malignant tumors of the SNP. Clinic, diagnosis, treatment.
13. Rhinogenic orbital complications. Clinic, diagnosis, treatment.
14. Methods of surgical treatment for SNP diseases: endonasal and extranasal operations, indications.

Lesson number 5. Throat diseases. Diseases of the larynx.

1. Acute pharyngitis. Clinic, diagnostics, treatment, differential diagnostics with SARS, acute, chronic tonsillitis.
2. Chronic pharyngitis. Forms, diagnosis, differential diagnosis, clinic. Treatment.
3. Acute tonsillitis (tonsillitis). Classification by I.B. Soldatov. Diagnostics, differential diagnostics, clinic. The scheme of treatment.
4. Chronic tonsillitis. Forms, clinic, diagnostics, treatment.
5. Local and general complications of acute and chronic tonsillitis. 6. Pharyngomycosis. Features of the clinic, diagnosis and treatment.
7. Paratonsillar and parapharyngeal abscesses. Clinic, diagnosis, treatment.
8. Hypertrophy of the lymphadenoid tissue of the pharynx.
9. Benign and malignant tumors of the pharynx.
10. Foreign bodies and injuries of the pharynx. Clinic, diagnosis, treatment.
11. Acute diseases of the larynx: acute catarrhal laryngitis, laryngeal tonsillitis, phlegmonous laryngitis. Clinic. Diagnostics. Treatment.
12. Chronic laryngitis: catarrhal, hyperplastic, atrophic forms. Clinic. Diagnostics. Treatment.

13. Stenosis of the larynx. Classification. Causes. Methods of dealing with them.
14. Injuries and burns of the larynx. Clinic. Diagnostics. Treatment.
15. Paresis, paralysis of the internal muscles of the larynx. Clinic. Diagnostics. Treatment.
16. Subglottic laryngitis (false croup). Diphtheria of the larynx. Acute stenosing viral laryngotracheitis. Diagnosis, differential diagnosis, clinic, treatment.
17. Laryngomycosis. Features of the clinic, diagnosis and treatment.
18. Foreign bodies of the larynx. Clinic. Diagnostics. Treatment.
19. Benign and malignant tumors of the larynx. Clinic. Diagnostics. Treatment.
20. Scleroma of the respiratory tract. Etiology, epidemiology, pathology. Clinic. Diagnostics. Treatment.
21. The defeat of the ENT organs in tuberculosis and syphilis. Clinic. Diagnostics. Treatment.

Lesson number 6. Diseases of the outer and middle ear. Nonpurulent diseases of the middle ear. Diseases of the inner ear. Tumors of the ear.

1. External otitis. Forms. Clinic. Diagnostics. Treatment.
2. Otomycosis. Clinic. Diagnostics. Treatment.
3. Erysipelas, chondroperichondritis of the auricle, eczema of the external ear. Diagnostics, differential diagnostics, clinic, treatment.
4. Sulfur plug. Foreign bodies of the ear. Clinic. Diagnostics. Treatment.
5. Injuries of the outer ear, hematoma. Clinic. Diagnostics. Treatment.
6. Acute purulent otitis media. Flow stages. Clinic. Diagnostics. Treatment.
7. Acute otitis media in infants, features of the course. Otoanthritis.
8. Acute otitis media in infectious diseases (measles, influenza, scarlet fever). Features of the flow.
9. Mastoiditis. Atypical forms of mastoiditis: apical, petrositis, squamitis, zygomaticitis. Clinic. Diagnostics. Treatment.
10. Chronic suppurative otitis media. Etiology, pathogenesis, clinical forms: mesotympanitis, epitympanitis. Clinic. Diagnostics. Treatment. Types of operations for chronic purulent otitis media: indications, contraindications.
11. Catarrhal otitis media. Etiology, clinic, diagnosis, treatment.
12. Exudative otitis media. Etiology, clinic, diagnosis, treatment.
13. Adhesive otitis. Etiology, clinic, diagnosis, treatment.
14. Sensorineural hearing loss. Etiology, classification, diagnosis, treatment. Hearing rehabilitation methods.
15. Otosclerosis. Etiology, clinic, differential diagnosis, treatment.
16. Meniere's disease. Etiopathogenesis, differential diagnosis. Providing emergency care during an attack.
17. Labyrinths. Forms, differential diagnosis, treatment, prevention.
18. Tumors of the ear. Early diagnosis. Methods of treatment.
19. Ear injuries. Diagnosis, clinic, treatment.

Lesson number 7. Orogenic and rhinogenic intracranial complications.

1. Etiology and pathogenesis of rhinogenic and orogenic intracranial complications.
2. Leptomeningitis. Clinic, diagnosis, treatment.
3. Cerebrospinal fluid. Indicators.
4. Extra- and subdural abscesses. Abscesses of the brain and cerebellum. Clinic, diagnosis, treatment.
5. Arachnoiditis. Clinic, diagnosis, treatment.
6. Thrombosis of the intracranial sinuses. Sepsis. Clinic, diagnosis, treatment.
7. Principles of treatment of patients with intracranial complications.
8. Prevention of intracranial complications.