

## **Questions to prepare for the otorhinolaryngology test for pediatric students**

### **General questions**

1. Syphilis of the upper respiratory tract. Clinical picture, diagnostics and treatment.
2. The role of S.P. Botkin and G.A. Zakharyin in the development of national otorhinolaryngology.
3. Otorhinolaryngology as a branch of medicine.
4. The work of an ENT doctor in the pre-conscription and conscription commissions at the military recruitment office.
5. Deontology in otorhinolaryngology.
6. Development of otorhinolaryngology in our country.
7. Antibiotics in ENT pathology. Ototoxic antibiotics.
8. Blastomycosis. Epidemiology, pathogenesis, clinical picture, diagnostics, treatment and prevention.
9. Tuberculosis of the upper respiratory tract. Clinical picture, diagnostics, treatment, prevention.
10. Indications for nasopharyngeal intubation.
11. Rhinosporidiosis. Epidemiology, pathogenesis, clinical picture, diagnostics, treatment.
12. Lupus of the upper respiratory tract.
13. Wegener's granulomatosis.
14. Scleroma of the upper respiratory tract.
15. The lesion of the ENT organs by HIV infection.
16. Tuberculous otitis media.

### **Nose.**

1. Structural features of the nasal mucosa (olfactory, respiratory, bleeding zones).
2. Nose bleedings. Reasons, ways to stop nosebleeds.
3. Intraorbital complications of nose diseases and paranasal sinuses. Pathogenesis, clinical picture, treatment.
4. Intracranial complications of nose diseases and paranasal sinuses. Pathogenesis, clinical picture, treatment.
5. Methods of the nose examination
6. The role of nasal breathing in the physiological development of the body.
7. Differential diagnosis of vasomotor and allergic rhinitis.
8. Acute rhinitis. Features of its manifestation and treatment in infants.
9. Abscess of the septum of the nose. Reason, clinical picture, treatment.
10. Clinical anatomy of the external nose.
11. Acute purulent sinusitis. Clinical picture, diagnostics, treatment.
12. Hematoma of the nasal septum. Reasons, clinical picture, treatment.
13. The structure and topography of the paranasal sinuses.
14. Chronic rhinitis. Classification. Clinical picture, diagnostics, treatment.
15. Physiology of the paranasal sinuses.
16. Acute purulent ethmoiditis and sphenoiditis. Clinical picture, diagnostics, treatment.
17. Protective function of the nose.
18. Nose traumas, fractures of the nose bones. Clinical picture, diagnostics, treatment.
19. Chronic sinusitis. Clinical picture, diagnostics, treatment.
20. Methods of research of the paranasal sinuses.
21. Furuncle of the nose. Clinical course.
22. Diphtheria of the nose. Differences in acute rhinitis. Clinical picture, diagnostics, treatment.
23. The structure of the lateral wall of the nose.
24. Chronic ethmoiditis and sphenoiditis. Clinical picture, diagnostics, treatment.
25. Study of the respiratory function of the nose.

26. Research of the olfactory function of the nose.
27. External nose deformations and methods of their correction.
28. Acute purulent frontal sinusitis. Reasons, clinical picture, diagnostics and treatment.
29. The mechanism of the reflex function of the nose.
30. Foreign bodies of the nose, rhinolitis - diagnostics and treatment.
31. Protective function of the nose.
32. Chronic frontal sinusitis. Clinical picture, diagnostics, treatment.
33. Ozena. Etiology, clinical picture, diagnostics, treatment.
34. Anatomy of the nasal septum.
35. Curvature of the nasal septum.
36. Acute rhinitis in infants
37. Malignant tumors of the nose, paranasal sinuses. Clinical picture, diagnostics, treatment principles.
38. Age features of the development of the paranasal sinuses and their relationship with the nasal cavity.
39. Features of the blood supply to the nasal cavity.
40. Venous outflow from the external nose.
41. Vasomotor rhinitis. Forms, etiology, clinical picture, diagnostics, treatment.

## **Pharynx.**

1. Adenoids. Clinical picture, diagnostics, treatment.
2. Retropharyngeal abscess. Clinical picture, diagnostics, treatment.
3. Hypertrophy of the palatine tonsils. Clinical picture, diagnostics, treatment.
4. Injuries and burns of the pharynx. Clinical picture, treatment.
5. Faringo and candidomycosis. Causes. Diagnostics, treatment.
6. Malignant tonsillar tumors of the pharynx. Clinical picture, diagnostics, treatment.
7. Physiology of the tonsils.
8. The main forms of chronic pharyngitis. Diagnostics and treatment. Differential diagnostics.
9. Diphtheria of the pharynx with tonsillitis. Differential diagnostics.
10. Angina with infectious mononucleosis. Etiology, clinical picture, diagnostics, treatment.
11. Clinical anatomy of the pharynx. Sections, layers.
12. Ulcerative membranous tonsillitis. Etiology, clinical picture, diagnostics, treatment.
13. Lymphadenoid ring of the pharynx, its components.
14. Paratonsillar abscess. Reasons, clinical picture, treatment. Urgent care.
15. Foreign bodies of the pharynx. Clinical picture, diagnostics, emergency care, doctor's tactics.
16. Juvenile angiofibroma (JAN) of the nasopharynx.
17. Agranulocytic tonsillitis.
18. Angina with leukemia.
19. Chronic tonsillitis. Classification according to I.P. Soldatov.
20. Adenoids.
21. Conservative treatment of chronic tonsillitis.
22. Primary tonsillitis.
23. Forms of nonspecific chronic tonsillitis. Clinical picture, diagnostics, treatment.
24. Definition of the concepts of "pharyngitis" and "angina". Causes, clinical picture and treatment of acute pharyngitis.
25. Adenoiditis.
26. Anatomical and morphological structure of the tonsils.
27. Pathological changes in the tissue of the tonsils in chronic tonsillitis.
28. Acute pharyngitis. Clinical picture, diagnostics. Treatment.
29. Chronic pharyngitis. Clinical picture, diagnostics, treatment.

30. Paratonsillitis.
31. Wounds of the pharynx.

### **Larynx. Trachea. Bronchi. Esophagus.**

1. Physiology of the trachea, bronchi, esophagus.
2. Laryngeal edema. Etiology, clinical picture, treatment.
3. Acute lining laryngitis. Etiology, clinical picture, treatment.
4. Anatomy of the trachea, bronchi.
5. Anatomy of the esophagus. The importance of physiological contractions in the clinic of foreign bodies.
6. Ligaments and muscles of the larynx.
7. The lymphatic system of the larynx and its importance in the development of malignant tumors.
8. Chronic laryngitis. Classification. Causes. Clinical picture, treatment.
9. Cancer of the larynx. Clinical picture, diagnostics, treatment.
10. Classification of tumors according to Karpov.
11. Injuries and burns of the larynx. Clinical picture, treatment.
12. Acute laryngitis. Laryngeal angina - causes, diagnosis, treatment.
13. Paresis and paralysis of the larynx muscles. Clinical picture, treatment.
14. Methods of examination of trachea, bronchi, esophagus.
15. Indications and technique of tracheostomy.
16. Foreign bodies of the esophagus. Causes, clinical picture, diagnosis, treatment.
17. Structure of the mucous membrane of the larynx.
18. Clinical anatomy of the larynx. Cartilaginous framework. Ligaments.
19. Diphtheria of the larynx. Clinical picture, diagnostics, treatment.
20. Papillomatosis of the larynx in children and adults. Clinical picture, treatment.
21. Functions of the larynx.
22. Acute laryngotracheitis in children. Etiology, clinical picture, diagnostics. Organization of assistance, treatment, emergency care.
23. Benign tumors of the larynx.
24. Indications for intubation and intubation technique.
25. Foreign bodies of the larynx. Clinical picture, emergency care.
26. Benign tumors of the larynx.
27. Chronic stenosis of the larynx. Reasons, methods of treatment.
28. Forms of stenosis of the larynx.
29. Acute stenosis of the larynx. Stages, clinical picture, treatment.
30. Foreign bodies of the trachea and bronchi. Classification, clinical picture, diagnostics, emergency care.
31. Innervation of the larynx.
32. Acute catarrhal laryngitis. Etiology, clinical picture, diagnostics
33. Chondroperichondritis of the larynx. Etiology, clinical picture, diagnostics
34. Burns of the larynx and trachea. Etiology, clinical picture, diagnostics.

### **Ear.**

1. Otogenic brain abscesses. Clinical picture, diagnostics, treatment.
2. Differential diagnosis of meso- and epitympanitis.
3. Study of hearing acuity by speech, tuning forks, audiological, ultrasound.
4. Foreign bodies of the ear. Cerumen impaction. Classification. Principles of their removal.
5. Clinical anatomy of the vestibule and semicircular canals.
6. Types of structure of the mastoid processes and their importance in the clinic of purulent otitis media.
7. Sound conduction mechanism. Helmholtz theory, its confirmation by Andreev's experiments.
8. Furuncle and phlegmon of the external auditory canal. Causes, clinical picture, treatment.
9. Pneumatic test and otolith reaction according to Voyachek. Their clinical interpretation

10. Sound conduction mechanism. The role of all components of the sound transmission system.
11. Examination of the vestibular analyzer (Romberg's posture, gait, pointing test).
12. Anomalies of ear development.
13. Physiology of the vestibular analyzer.
14. Otogenic meningitis. Clinical picture, diagnostics, treatment.
15. Topographic features of the facial nerve and their significance for otogenic paresis and paralysis.
16. The structure of the cochlea and its receptor analyzer.
17. The main patterns of nystagmus. The laws of Ewald and V.I. Voyachek.
18. Chronic suppurative otitis media. Types, causes, role of the upper respiratory tract in the development of chronic otitis media
19. Features of the structure of the tympanic membrane in adults and young children, their clinical significance.
20. Rotational and caloric tests. Their clinical interpretation.
21. Meniere's disease. Clinical picture, diagnostics, treatment.
22. Acute purulent inflammation of the middle ear. Reasons, clinical picture, treatment.
23. Anatomical and topographic features of the external auditory canal, their importance in the pathology of the ear and the clinic of other diseases.
24. Thrombosis of the sigmoid sinus and otogenic sepsis. Etiology, clinical picture, treatment.
25. Assessment of the tympanic membrane mobility and patency of the auditory tube. Ear monometry.
26. Technique and clinical interpretation of the experiments of Weber and Schwabach.
27. Otogenic intracranial complications. Ways of infection spread into the cranial cavity.
28. The structure of the receptor apparatus of the vestibule sacs and semicircular canals. Adequate stimuli for these receptors.
29. Anatomic features of the external auditory canal in young children, their importance in otoscopy and in the clinic of otitis media.
30. Bekesy-Fletcher hydrodynamic theory.
31. Acute and chronic catarrhal otitis media. Reasons, clinical picture, treatment.
32. Damage and injury to the auricle, external auditory canal, eardrum. Clinical picture, diagnostics, emergency care.
33. The structure and function of the auditory tube in adults and children and its role in the development of otitis media, hearing loss and hearing-improving operations.
34. Indications for paracentesis, paracentesis technique.
35. Ear surgery for the purpose of hearing rehabilitation.
36. Otoscopy and identification marks of the tympanic membrane.
37. Tympanogenic labyrinthitis.
38. System of middle ear cavities, topography of the tympanic cavity.
39. Spontaneous nystagmus and its characteristics.
40. Acute mastoiditis. Forms, causes, clinical picture, treatment.
41. Samples of Rinet, Jelly, their clinical interpretation.
42. Sensorineural hearing loss. Etiology, clinical picture, diagnosis, treatment.
43. Neurinoma VIII pair. Clinical picture, diagnostics, treatment.

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