



MEDICAL UNIVERSITY  
"PROF. DR. PARASKEV STOYANOV" VARNA  
FACULTY OF DENTAL MEDICINE

Approved at a Faculty council meeting

N12/07.12.2022.

Approved:  
DEAN  
/Prof. Dr. Stefan Peev, DMD, PhD, DSc/



## CURRICULUM

of

"Otorhinolaryngology"

Department: "Department of Neurosurgery and ENT"

Specialty: "DENTAL MEDICINE"

Educational-Qualification Degree: "MASTER"

Professional qualification: "PHYSICIAN IN DENTAL MEDICINE"

Type classes	Semester	Workload – academic hours per week	Workload – academic hours total
Lectures	VI	1 / w	15 h
Practical exercises	VI	1 / w	15 h
Total hours			30 h
Types of control	Current control		EXAM – After sixth semester
Credits ( ECTS )			2
Additional workload			30 h

Teachers: Assoc. Prof. Dr. N. Sapundzhiev, MD, PhD; Assoc. Prof. Georgi Iliev, MD, PhD

Varna, 2022

Annotation

The purpose of the discipline is to provide the students of dental medicine basic theoretical knowledge and practical experience in the specialty Otorhinolaryngology (ENT diseases).

The course takes place during the 6th semester, when the students already have theoretical knowledge of other clinical disciplines, which will allow for in-depth study of the most common diseases of the ENT organs, their specificity and the role of the physician in dental medicine in the clinical evaluation, the management, treatment and performing some manipulations and interventions.

Taking into account the knowledge and skills of the students in the 4th course for examination of patients, the clinical symptoms and signs of the diseases included in the program, as well as the specific test methods, conservative and surgical treatments are theoretically presented. The program is designed for 30 hours, 15 hours of lectures and 15 hours of practical exercises. The training is based on extensive integration with the programs of other preclinical and clinical disciplines (anatomy, physiology, pharmacology) and the visualization of the theoretical material with modern multimedia and other classical means.

Upon completion of the relevant sections, colloquiums should be conducted, incl.:

- a written on-the-job control during the exercise
- semester examination: oral exam or MCQ-test, face to face or in virtual environment.

## **Forms of the educational process, control and assessment**

The training of students in dental medicine in the discipline "Otorhinolaryngology" includes lectures, exercises and seminars, self-training and consultations.

The aim of the training is:

1. Mastering basic examination methods and their practical application in Otorhinolaryngology.

2. Getting to know the major groups of clinical entities and the principles of management and treatment – conservative and surgical. In the middle of the semester, a written test may be conducted on the first half of the lecture material.

The training ends with passing a term exam, which consists of oral exam or MCQ-test, face to face or in virtual environment.

## Assessment criteria

After completing the studies, students should have the following knowledge and skills:

- to know the main anatomical structures of the ear, nose, paranasal cavities, pharynx, larynx, neck, face, trachea
- to know the epidemiology, etiology, pathogenesis and pathophysiology of the diseases in otorhinolaryngology;
- to know the basic surgical techniques in otorhinolaryngology;
- to know and apply the main research methods;
- to know and apply modern methods for the treatment of epistaxis;
- to know the principles of performing a tracheotomy;
- to know and apply modern methods in emergency otorhinolaryngology;
- to know the principles of oncology in otorhinolaryngology;
- to make accurate diagnosis, treatment and methods of treatment of foreign bodies in the ears, nose, lungs and esophagus;
- to know and apply the methods and means for the treatment of allergic conditions in otorhinolaryngology;
- to assess the individual risk of developing oncological diseases in otorhinolaryngology;
- to develop individual preventive programs for children of different age groups based on the assessment of individual risk.

## Thematic plan of lectures and exercises

Plan for the lecture course of Dental medicine students  
III course - VI semester - 15 academic hours

1. Historical review. Anatomy and physiology of the auditory analyzer. Diseases of the external ear.	2 academic hours
2. Diseases of the middle and inner ear.	2 academic hours
3. Anatomy and physiology of the nose and the paranasal cavities. Diseases of the nose and paranasal cavities.	2 academic hours
4. Anatomy and physiology of the pharynx. Diseases of the pharynx.	2 academic hours
5. Endocranial and orbital complications of ENT origin.	2 academic hours
6. Anatomy and physiology of the larynx. Diseases. Tumors with otorhinolaryngological localization.	2 academic hours
7. Emergencies in Otorhinolaryngology. Symptoms and syndromes.	3 academic hours
<b>Total:</b>	<b>15 academic hours</b>

**Plan for the exercises course of Dental medicine students**

**III course - VI semester - 15 academic hours**

1. Methods of examining the ear. Hearing examination methods.	2 academic hours
2. Methods for examining the oral cavity, pharynx and larynx.	2 academic hours
3. Methods for examining the nose and paranasal cavities, endoscopic methods for examining the trachea and bronchi, esophagoscopy.	2 academic hours
4. Diseases of the outer and middle ear - acute and chronic inflammations.	2 academic hours
5. Diseases of the pharynx and larynx.	2 academic hours
6. Diseases of the nose and paranasal cavities.	2 academic hours
7. Emergencies in otorhinolaryngology.	2 academic hours
<b>Total:</b>	<b>15 academic hours</b>

### Recommended literature

1. Brunnicardi, F.C. (Ed.), 2018. Schwartz's principles of surgery, Eleventh edition. ed. McGraw-Hill, New York.
2. Probst, R., Grevers, G., Iro, H., 2018. Basic otorhinolaryngology: a step-by-step learning guide, 2nd edition. ed. Thieme, Stuttgart ; New York.
3. Koitschev, A., Koitschev, C., Limberger, A., 2014. Kurzlehrbuch Hals-Nasen-Ohren-Heilkunde, 1. Aufl. ed. Elsevier, Urban & Fischer, München.
4. Clarke, R., Bull, P.D., 2014. Lecture notes. Diseases of the ear, nose and throat,
5. Ценев Ив., Недев П., Милков М.; Атлас хирургия на ухото. 2005 г. Изд. „Пернсофт“ – ISBN – 954-642-230-4.

### Additional literature

1. Димов Д., Георгиев Г., Ценев Ив., Маджаров М., Кунев К., Досков Д., Цолов Ц., Фичев М., Карчев Т., Тодоров Ив., Спиридонова Й. „Ушни, носни, гърлени болести“. Изд. „Знание“ София, 1998
2. Ценев И, Ценев Е. Практически наръчник по оториноларингология. Изд. Стено, Варна 2010
3. Деспотов О. Широков Т. "Учебник по УНГ болести за стоматолози", 2004
4. Ръководство за практическо обучение по специалността "Ушни, носни и гърлени болести". Под редакцията на проф. д-р К. Джамбазов д.м.н. ISBN: 9786192370787

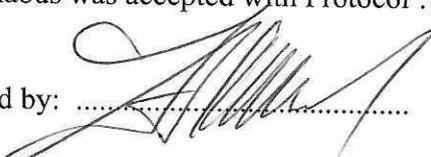
**Questionnaire**  
**IN OTORHINOLARYNGOLOGY**  
**for students in Dental medicine**

1. Clinical anatomy of the middle ear.
2. Clinical anatomy of the inner ear.
3. Physiology of hearing.
4. Physiology of the vestibular system.
5. Diseases of the external ear (othematoma, eczema, perichondritis).
6. Otitis externa circumscripta et diffusa. Necrotizing otitis externa.
7. Foreign bodies in the external auditory canal.
8. Traumatic rupture of the eardrum.
9. Diseases of the middle ear - acute and chronic catarrh of the middle ear.
10. Acute otitis. Serous otitis.
11. Paralysis of the facial nerve.
12. Mastoiditis. Types. Treatment of mastoiditis.
13. "Mucosal" chronic suppurative otitis media.
14. "Bony" chronic suppurative otitis media.
15. Labyrinthitis.
16. Labyrinthoneuritis. Herpes zoster oticus.
17. Meniere's disease.
18. Otosclerosis.
19. Intracranial complications with otologic etiology. Routes of penetration of the infection.
20. Intracranial complications with otologic etiology. Diagnosis and treatment. Extradural and subdural abscess.
21. Otogenic meningitis.
22. Otogenic sepsis - thrombophlebitis of the sigmoid sinus.
23. Cavernous sinus thrombosis.
24. Brain abscess with otologic etiology.
25. Cerebellar abscess.
26. Deafness and muteness. Cochlear implants.
27. Clinical anatomy of the nose and paranasal cavities. Physiology.
28. Deviatio septi nasi.
29. Nasal furunculosis.
30. Epistaxis.
31. Fracture of the nasal bones. Hematoma and abscess of the nasal septum.
32. Acute and chronic runny nose.
33. Ozena.
34. Maxillary sinusitis - acute and chronic. Odontogenic sinusitis.
35. Ethmoiditis. Frontal sinusitis - acute and chronic.
36. Mucocele and pyocele. Treatment of sinusitis.
37. Orbital complications in sinusitis.
38. Allergic and vasomotor rhinitis.
39. Non-seasonal (aperiodic) and vasomotor runny nose. Treatment.
40. Neoplasms of the nose and paranasal cavities.
41. Anatomy of the oral cavity and the pharynx. Physiology.
42. Adenoid vegetation and hypertrophy of the palatine tonsils.
43. Acute tonsillitis.
44. Ulcer-membranous angina of Plaut-Vincent.
45. Blood anginas.
46. Acute and chronic pharyngitis.

47. Chronic tonsillitis.
48. Peritonsillar abscess.
49. Retropharyngeal and parapharyngeal abscess.
50. Juvenile nasopharyngeal fibroma.
51. Tumors of the mesopharynx and hypopharynx.
52. Malignant tumors of the epipharynx.
53. Anatomy and physiology of the larynx.
54. Acute laryngitis. Treatment.
55. Subchordal laryngitis - pseudocroup. Diagnosis. Treatment.
56. Chronic laryngitis.
57. Edema of the larynx. Quincke's Edema. Treatment.
58. Abscess of the larynx. Epiglottitis.
59. Acute stenosis of the larynx - laryngeal dyspnea. Tracheotomy.
60. Laryngeal paralysis.
61. Benign neoplasms of the larynx. Papilloma. Fibroma.
62. Carcinoma of the larynx. Treatment.
63. Scleroma respiratorium. Tuberculosis of the larynx. Wegener's granulomatosis.
64. Foreign bodies in the trachea and bronchi. Tracheo-bronchoscopy.
65. Foreign bodies in the esophagus. Esophagoscopy.

The syllabus was accepted with Protocol 88 / 9.12.2025 from a Department council meeting.

The syllabus was accepted with Protocol ..... / ..... from a Faculty council meeting.

Prepared by: 

(Assoc. Prof. Dr. Nikolay Sapundzhiev, MD,  
PhD – Head of the ES ENT-diseases)

Head of "Department of Neurosurgery and ENT": 

(Prof. Dr. Yavor Enchev, MD, PhD, DSc)

