

COURSE SYLLABUS**DIFFERENTIAL DIAGNOSIS OF ENT DISEASES IN DENTAL PRACTICE****Specialty:** 221 “Dentistry”**Workload:** 3 ECTS credits (90 hours)**Educational and Professional Program:** Dentistry**Component Code in the Educational Program:** SC 62**Forms of Instruction:** practical classes, consultations**Level of Higher Education:** Second (Master’s Level)**Mode of Study:** Full-time (daytime)**Final Assessment:** pass/fail credit**Year of Study:** 4**Prerequisites:** Completion of prior coursework in otorhinolaryngology.**Semester:** Autumn, Spring**Type of Educational Component:** Elective**Academic Year:** 2027–2028**Department / Unit:** Department of Otorhinolaryngology, 13 Nezalezhnosti Avenue, 3rd floor**Course Coordinator:** Prof. Andrii V. Lupyr

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Course page in Moodle:<http://distance.knmu.edu.ua/course/index.php?categoryid=234>**COURSE DESCRIPTION**

The clinical discipline “Differential Diagnosis of ENT Diseases in Dental Practice” studies the morphology, physiology, and pathology of the upper respiratory tract and ear. It focuses on the diagnosis and management of both acute and chronic diseases of the ENT organs and adjacent anatomical regions.

A significant proportion of these pathological conditions require surgical intervention, including procedures involving the ear, nasal cavity, paranasal sinuses, pharynx, larynx, and trachea.

Endoscopic diagnostic and therapeutic methods are widely used in the examination and treatment of ENT diseases. Many surgical procedures and manipulations, particularly those involving the ear and larynx, are performed using an operating microscope.

COURSE OBJECTIVE To study and master the theoretical and practical aspects of otorhinolaryngology; to familiarize students with the prevalence of ENT diseases within general pathology; to understand the importance of the timely detection and treatment of diseases of the ear, nose, and throat in the prevention of overall morbidity and the improvement of public health; and to introduce the principles and methods of preventive and dispensary care.

LEARNING OUTCOMES Study of the etiology, pathogenesis, clinical course, and manifestations of ENT diseases; ability to establish a preliminary diagnosis, determine patient management strategies, and apply preventive methods in the management of ENT diseases.

COURSE CONTENT**List of lecture topics**

None

List of practical class topics (20 hours):

1. Topographic and anatomical features of the spatial relationships, innervation, blood supply, and lymphatic drainage of the ENT organs and the dento-maxillofacial system. Modern methods of evidence-based medicine and the importance of differential diagnosis of certain otorhinolaryngological diseases with overlapping symptoms in dentistry. Diseases of the external ear (auricular furuncle, diffuse otitis externa, otomycosis, eczema of the external auditory canal).
2. Topographic and anatomical features of the spatial relationships, innervation, blood supply, and lymphatic drainage of the ENT organs and the dento-maxillofacial system. Modern methods of evidence-based medicine and the importance of differential diagnosis of certain

otorhinolaryngological diseases with overlapping symptoms in dentistry. Diseases of the external ear (auricular furuncle, diffuse otitis externa, otomycosis, eczema of the external auditory canal).

3. Diseases of the pharynx. Differential diagnosis of tonsillitis. Paratonsillitis (stage of infiltration, stage of abscess formation): etiology, differential diagnosis, treatment strategy, complications, and prognosis. Pharyngomycosis: clinical features, diagnosis, and treatment.
4. Benign and malignant neoplasms of the upper respiratory tract and neck. Final credit assessment.

List of independent study topics (70 hours):

1. Epidemiology of odontogenic maxillary sinusitis. Modern views on the etiology of the disease. Diagnostic and treatment methods. Possibilities of endoscopic intervention.
 2. Acute laryngeal stenosis in dental practice. Causes, emergency management, and possible complications.
 3. Clinical differential diagnosis of emergency otorhinolaryngological conditions in dental practice.
 4. Writing an essay: “Modern Methods for Diagnosing Hearing Disorders.”
 5. Writing an essay: “Barotrauma: Diagnostic and Therapeutic Management and Modern Rehabilitation Methods.”
 6. Mastering the methodology and technique of performing cricothyrotomy and tracheostomy.
- Independent study is aimed at deepening and consolidating theoretical knowledge obtained during classroom learning and contributes to the development of professional competencies. The results of independent study are assessed and included in the final evaluation of knowledge.

Consultations: online, by prior arrangement.

Teaching methods: explanatory presentation, discussion, lecture, illustration, demonstration, presentations, video clips, educational films, discussion, business and role-playing games, simulation exercises, modeling of processes and situations, debates.

Current Academic Activity (CAA). Assessment of students’ academic performance is carried out in accordance with the Instruction on the Assessment of Academic Performance of Higher Education Students at KhNMU (<https://knmu.edu.ua/documents/normatyvni-dokumenty-navchalnogo-proczesu/>). The grade for a practical or final class ranges from 2 to 5 points. Submission of assignments after the deadline without valid reasons results in a reduction of the grade proportional to the delay in submission. Assignments are checked within 24 hours. Grades are recorded in the electronic journal. Unsatisfactory grades must be retaken in accordance with the Regulation on the Procedure for Making Up Missed Classes by KhNMU Students (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf).

For course components completed within the current semester where the form of assessment is a pass/fail credit, the Overall Academic Activity (OAA) is taken into account.

OAA scores are calculated as the arithmetic mean of grades obtained during all semesters of studying the course component (rounded to two decimal places) according to Table 2, automatically within the functionality of the electronic ASU journal. The OAA is converted into a multi-point scale according to Table 2 (Appendix 2) ranging from 120 to 200 points with the mark “passed” or “not passed.”

Individual assignments (IA) are evaluated up to 10 points.

Final assessment. A prerequisite for receiving course credit is attendance of all classes.

Course grade (CG). CG = OAA.

Appeals of final assessment results are carried out in accordance with the procedure established at KhNMU: https://knmu.edu.ua/wp-content/uploads/2021/05/polog_apel_kontrol.pdf.

COURSE POLICIES

Recommendations for course participation: actively participate in all forms of classroom activities, dedicate 1–2 hours daily to independent study and preparation for classes, ask questions during lessons, attend consultations, submit assignments on time, and complete all forms of assessment.

Class attendance. Attendance of lectures and practical classes is mandatory. The required dress code for in-person classes is a white medical coat. If a student is more than 5 minutes late, they may not be admitted to the class. Missed classes must be made up in accordance with the Regulation on the Procedure for Making Up Missed Classes by KhNMU Students: https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf

Academic integrity. KhNMU adheres to a zero-tolerance policy regarding academic misconduct. Any violations of academic integrity principles result in responsibility according to the procedure established at KhNMU: https://knmu.edu.ua/wp-content/uploads/2021/05/polog_ad-1.pdf
The use of electronic devices and artificial intelligence tools is permitted only with the lecturer's approval.

Policy for students with special educational needs. Students with special educational needs should contact the instructor in order to develop an individual educational trajectory.

Lecturer response time: 24 hours.

Technical requirements for the course:

1. access to a computer, laptop, tablet, or smartphone
2. a corporate Google account with a personal profile photo
3. skills in using Google Workspace (Google Meet, Docs, Forms) and Moodle

Technical support: ASU – ev.shevtsov@knmu.edu.ua, Google – tehotdelknmu@gmail.com, Moodle – al.korol@knmu.edu.ua

RECOMMENDED SOURCES

1. Lupyry A.V., Zhuravliov A.S., Yashchenko M.I., Domina Ye.V. Emergency Conditions in Otorhinolaryngology. Kharkiv, 2020. 124 p. [in Ukrainian].
2. Lupyry A.V., Yashchenko M.I., Shushliapina N.O. Current Issues of Modern Otorhinolaryngology. Kharkiv: KhNMU, 2022. 194 p. [in Ukrainian].
3. Lupyry A.V., Yashchenko M.I., Yurevych N.O., et al. Course of Lectures in Otorhinolaryngology. Kharkiv: KhNMU, 2023. 212 p. [in Ukrainian].
4. Lupyry A.V., Shyian D.M., Yashchenko M.I., et al. Chronic Rhinosinusitis: Clinical Features, Diagnosis and Treatment. Kharkiv: KhNMU, 2025. 133 p. [in Ukrainian].
5. Otorhinolaryngology: textbook / Yu.V. Mitin, Yu.V. Deyeva, Ya.Yu. Gomza et al. — 6th edition - All-Ukrainian specialized publishing house "Medicine", 2020, 264 (black and white) + 48 color inserts.
6. Al-Qahtani A Haidar H Larem A. Textbook of Clinical Otolaryngology. Cham: Springer; 2021. doi:10.1007/978-1-4939-9797-8
7. England, R.J., & Shamil, E. (Eds.). (2022). Scott-Brown's Essential Otorhinolaryngology: Head & Neck Surgery (1st ed.). CRC Press. <https://doi.org/10.1201/9781003175995>, 624 p.

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