

MINISTRY OF HEALTH OF UKRAINE
ODESA NATIONAL MEDICAL UNIVERSITY
Medical, international faculties
Department of OTORHINOLARYNGOLOGY
Syllabus of the elective discipline
" ENT-ONCOLOGY"

Scope of the academic discipline	Total number of hours per discipline: 90 hours, 3 credits. Semesters: XI - XII. 6th course.
Days, time, place of educational discipline	According to the schedule of classes. Department of Otorhinolaryngology Base of KIE "ODKH" ODC, 26, str. AkademikZabolotny, 9th floor. Base of the University Clinic, st.Tinista, 8, basement.
Teachers	Serhii Mykhailovych Pukhlik, Head of the Department, PhD, Professor. Yevchev Fedir Dmytrovych, PhD, Professor. Associate professors: Bohdanov Kyrylo Georgiyovych, PhD. Olga Valentynivna Titarenko, PhD. Dedykova Iryna Volodymyrivna PhD, Shchelkunov Anatoly Petrovych, PhD. Assistants: Ph.D. Iryna Kimivna Tagunova, PhD. Inna Eduardivna Chernysheva, PhD. Iryna Volodymyrivna Dobronravova, , PhD. Oleksandr Viktorovych Andreev, PhD. Volodymyr Volodymyrovych Kolesnichenko, PhD Yevcheva Angelina Fedorivna, PhD Bogdanov Viktor Kirilovich.
Contact Information	Help by phone: Olga Valentynivna Titarenko, head of the study 096-531-71-33, (048) 736-22-30 Valentina Sergienko, laboratory technician 098-454-38-80, (048) 736-22-30 E-mail: olga.titarenko@onmedu.edu.ua Consultations: from 2:00 p.m. to 5:00 p.m. every Wednesday, from 9:00 a.m. to 2:00 p.m. every Saturday Online consultations: from 4:00 p.m. to 6:00 p.m. every Wednesday, from 9:00 a.m. to 2:00 p.m. every Saturday. The link to the online consultation is provided to each group during classes separately.

COMMUNICATION

Communication with students will be conducted in the classroom (face-to-face).

During online education communication is carried out through the Microsoft Teams platform, as well as through e-mail, Telegram, Viber messengers (through the groups they have created for each group, separately through the head of the group).

ABSTRACT OF THE EDUCATIONAL DISCIPLINE

The subject of the discipline is etiology, pathogenesis, diagnosis and treatment of the most common oncological diseases of the ENT organs.

Prerequisites and post-requisites of the discipline (place of the discipline in the educational program):

Prerequisites: Ukrainian language (by professional direction), foreign language (by professional direction), Latin language and medical terminology, medical biology, medical and biological physics, biological and bioorganic chemistry, human anatomy, histology, cytology and embryology, physiology, microbiology, virology and immunology, life safety; basics of bioethics and biosafety, pathomorphology, pathophysiology, pharmacology, propaedeutics of pediatrics, medical psychology, ophthalmology, neurology, psychiatry, narcology, dermatology, venereology.

Postrequisites: pediatrics, internal medicine, surgery, obstetrics and gynecology, infectious

diseases, epidemiology and principles of evidence-based medicine, oncology and radiation medicine, traumatology and orthopedics, physiology, anesthesiology and intensive care, emergency and urgent medical care, hygiene and ecology, palliative and hospice medicine, general practice (family medicine).

The goal of the discipline: acquisition by the student of additional knowledge and mastery of professional competences and skills of observation and management of ENT patients; communication skills, taking into account the peculiarities of communication between a family doctor and a healthy and sick person.

Tasks of the discipline:

1. Formation of skills and communication skills with an onco-otorhinolaryngological patient.

2. Formation of skills and communication skills with the patient in the most common onco-ENT diseases.

3. Improving the skills of substantiation of clinical diagnosis, differential diagnosis, drawing up a plan for laboratory and instrumental research in the most common localizations of onco-ENT diseases.

4. Mastery of the ability to determine the tactics of emergency care, management, treatment and prevention of onco-ENT diseases.

Expected results:

As a result of studying the academic discipline, the student of higher education should know:

basic concepts of fundamental and clinical oncology;

- basic theories of carcinogenesis;

- biology of tumor growth;

- human genome and molecular markers during diagnosis malignant neoplasms;

- the main areas of fundamental and applied research

biological material (hematological, biochemical, immunological, cytomorphological, molecular biological, etc.);

- basic diagnostic research methods for diagnosis and monitoring of oncological diseases;

- modern trends in the development of oncology;

be able:

- to conduct a subjective and objective examination of the patient;

- assess the patient's condition;

- formulate a preliminary diagnosis;

- to analyze the results of laboratory studies and on their basis

- evaluate information about the patient's diagnosis;

- work independently with scientific and educational literature;

- search and generalize scientific information;

- prepare the patient for diagnostic and therapeutic manipulations;

- prepare the patient for instrumental examinations;

- fill out medical documentation;

- to carry out sanitary and educational work;.

Content of the academic discipline

Topic 1. Organization of cancer care. Types of preventive examinations - features of conducting, importance for early diagnosis of tumors.

Organization of oncology care in Ukraine. Structure of oncology service in Ukraine.

Types of preventive examinations - features of conducting, importance for early diagnosis of tumors.

Topic 2. Modern methods of diagnosis of benign and malignant tumors of the ENT organs. Classification of oncological diseases.

Endoscopic studies of ENT organs. Computed tomography (CT), magnetic resonance imaging (MRI), ultrasound. Methods of morphological (histological, immunohistochemical, molecular genetic) and cytological verification of material obtained by tumor biopsy. Classifications of oncological diseases

According to the TNM system. Clinical and statistical classification. Classification of tumors according to the clinical course. Classification of tumors according to histogenesis.

Topic 3. Precancerous diseases of the ENT organs.

Precancerous diseases of the nasal cavity - papillomas, cysts and polyps.

Precancerous diseases of the larynx: chronic hypertrophic laryngitis, dyskeratoses (leukoplakia, pachydermia), papillomatosis. Bowen's disease. Warty precancer of the red border of the lips. Limited precancerous hyperkeratosis of the red border of the lips.

Keratoacanthoma.

Topic 4. Benign tumors of the ENT organs.

Benign tumors of the nose and paranasal sinuses (osteoma, papilloma, angiofibroma). Benign tumors of the pharynx (juvenile angiofibroma of the base of the skull). Benign tumors of the larynx (fibroma, papilloma). Glomus tumors of the ENT organs. Acoustic neuroma.

Topic 5. Malignant diseases of the outer, middle, and inner ear.

Malignant tumors of the ear, classification. Early and late signs of malignant tumors of the external, middle, and inner ear, stages of the disease, clinic, diagnosis, including the principles of early diagnosis. The choice of treatment method depends on the histological structure, localization and stage of the tumor.

Topic 6. Malignant diseases of the nasopharynx, nasal cavity, paranasal sinuses.

Malignant tumors of the nasopharynx, nasal cavity, PPN; classification. Early and late signs of malignant tumors of the skin of the nose, nasal cavity, nasopharynx, paranasal sinuses. Stages of the disease, clinic, diagnosis, including the principles of early diagnosis. The choice of treatment method depends on the histological structure, localization and stage of the tumor. Indications for radiation, surgical and chemotherapeutic methods of treatment.

Topic 7. Malignant diseases of neck localization (pharynx, larynx, trachea, esophagus)

Malignant tumors of the pharynx, larynx, trachea, esophagus. Classification. Early and late signs of malignant tumors of the above projections. Stages of the disease, clinic, diagnosis, including the principles of early diagnosis. The choice of treatment method depends on the histological structure, localization and stage of the tumor. Indications for radiation, surgical and chemotherapeutic methods of treatment.

Topic 8. Malignant diseases of neck localization(thyroid gland, submandibular and parotid glands).

Malignant tumors of the salivary glands, thyroid gland. Classification. Early and late signs of malignant tumors of the above projections. Stages of the disease, clinic, diagnosis, including the principles of early diagnosis. The choice of treatment method depends on the histological structure, localization and stage of the tumor. Indications for radiation, surgical and chemotherapeutic methods of treatment.

Topic 9. Metastasis of malignant tumors of ENT organs.

Regional metastasis of cancer of the ear, nose, pharynx, PPN, larynx, thymus gland, salivary glands, esophagus. Distant metastases of cancer of the ENT organs. Diagnostic methods. Evaluation of the properties of Mts - lymph nodes.

Topic 10. Surgical treatment of oncological diseases of ear, nose, paranasal sinuses.

Radical operations for oncological diseases of the ear, nose, PPN. Orbitosinus exenteration. Moore's operation. Palliative and symptomatic surgical interventions and manipulations. Surgical interventions for benign diseases of the ear, nose, PPN due to tumors.

Topic 11. Surgical treatment of oncological diseases of pharynx, larynx, trachea.

Biopsy of a tumor of the larynx. Organ-preserving operations. Radical operations for oncological diseases of the larynx and pharynx. Tracheostomy.

Topic 12 Surgical treatment of oncological diseases of thyroid gland, salivary glands, esophagus.

Organ-preserving operations of the neck. Oropharyngoesophagostomy. Resection of the lobe of the thyroid gland, complete removal of the thyroid gland. Circular resection of the esophagus. Palliative and symptomatic surgical interventions and manipulations.

Topic 13. Urgent care for patients with oncological diseases (bleeding, stenosis) of the nose, larynx, trachea localization.

Anterior and posterior tamponade of the nasal cavity, indications for carrying out. Tracheotomy, types, indications for surgery. Ligation of the external carotid artery.

Topic 14. Treatment of malignant tumors of the ENT organs (chemo therapy, radiation therapy). Chemoradiation treatment in neoadjuvant and adjuvant mode. PCT. Remote radiation therapy. Radiation therapy with a linear accelerator.

Indications, preparation for chemoradiation treatment. Management of patients during special treatment. Chemoradiation treatment in the management of palliative cancer patients.

Topic 15. Management of patients after operations for tumors of the ENT organs. Rehabilitation of patients with malignant diseases of the ENT organs (adaptation to a physical defect). Concept of clinical groups.

Management of patients with oropharyngoesophagostomy, management of patients with temporary tracheostomy, permanent tracheostomy. Rehabilitation of patients after surgical intervention for tumors of the ENT organs.

Credit. It is evaluated on a two-point scale: the grade "credited" is given to a higher education applicant who has completed the curriculum of the discipline, has no academic debt; the level of competence is high (creative); the grade "failed" is given to a student of higher education who has not completed the curriculum of the discipline, has academic debt (average grade below 3.0 and/or missed classes); the level of competence is low (receptive-productive).

Recommended literature

Basic:

1. R. Corbridge, N. Steventon. Oxford Handbook of ENT and Head and Neck Surgery//Paperback, 2020. - 496 p.
2. M. M Paparella. Paparella's Otolaryngology Head & Neck Surgery (2 Volumes)// Hardcover, 2020. - 460p.
4. Leonidas C. Plataniias, M.D., Ph.D, Director, Robert H. Lurie Comprehensive Cancer Center, Northwestern University Professor of Medicine (Hematology and Oncology) and Biochemistry and Molecular Genetics Advances in Oncology, 2021, 1st Edition.

Additional:

1. Leonidas C. Plataniias, M.D., Ph.D, Director, Robert H. Lurie Comprehensive Cancer Center, Northwestern University Professor of Medicine (Hematology and Oncology) and Biochemistry and Molecular Genetics Advances in Oncology, 2021, 1st Edition. John E. Niederhuber & James O. Armitage & James H Doroshow & Michael B. Kastan & Joel E. Tepper Abeloff's Clinical Oncology, 6th Edition Mar 2019.
2. J. A. Seikel, D.G. Drumright, D.J. Hudock. Anatomy and Physiology for Speech, Language, and Hearing //Format Hardback, 2019. - 700 p.
3. K.S. Helfer, E.L. Bartlett, A.N. Popper, R.R. Fay. Aging and Hearing: Causes and Consequences// Hardback < 2020. - 326p.
4. A. Al-Qahtani, H. Haidar, A. Larem. Textbook of Clinical Otolaryngology// Hardback, 2020. - 1155 p.
5. Z. Mu, J. Fang. Practical Otorhinolaryngology, Head and Neck Surgery: Diagnosis and Treatment// Hardback, 2020. - 314 p.
6. H.H. Ramadan, F.M. Baroody. Pediatric Rhinosinusitis// Paperback, 2020. - 300 p.

- P.W.Flint, B.H.Haughey, V.J.Lund, K.T.Robbins, J.R.Thomas, M.M.Lesperance, H.W.Francis. Cummings Otolaryngology: Head and Neck Surgery, 3-Volume Set// Format Hardback, 2020. - 3568 p.

13. Electronic information resources

- World Health Organization. URL: www.who.int/ru/index.html.
- European Regional Office of the World Health Organization. URL: www.euro.who.int.
- www.ama-assn.org – American Medical Association
- www.dec.gov.ua/mtd/home/ - State Expert Center of the Ministry of Health of Ukraine
- <http://bma.org.uk>– British Medical Association
- www.gmc-uk.org- General Medical Council (GMC)
- www.bundesaerztekammer.de – German Medical Association

EVALUATION

Ongoing control: oral survey, testing, assessment of class activity.

Criteria of ongoing assessment at the practical class

Score	Assessment criterion
Excellent «5»	The student is fluent in the material, takes an active part in discussing and solving a situational clinical problem, confidently demonstrates practical skills during the examination of a patient and the interpretation of clinical, laboratory and instrumental research data, expresses his opinion on the topic of the class, demonstrates clinical thinking.
Good «4»	The student has a good command of the material, participates in the discussion and solution of a situational clinical problem, demonstrates practical skills during the examination of a patient and the interpretation of clinical, laboratory and instrumental research data with some errors, expresses his opinion on the topic of the class, demonstrates clinical thinking.
Satisfactory «3»	The student does not have sufficient knowledge of the material, is unsure of participating in the discussion and solution of the situational clinical problem, demonstrates practical skills during the examination of the patient and the interpretation of clinical, laboratory and instrumental research data with significant errors.
Unsatisfactory «2»	The student does not possess the material, does not participate in the discussion and solution of the situational clinical problem, does not demonstrate practical skills during the examination of the patient and the interpretation of clinical, laboratory and instrumental research data.

The student is admitted to the Credit on the condition that the requirements of the educational program are met and if he received at least 3.00 points for the current educational activity .

INDEPENDENT WORK OF STUDENTS

Independent work involves preparation for each practical lesson.

Educational discipline policy

Deadlines and rescheduling policy:

- absences of classes for non-respectable reasons are worked out according to the schedule of the teacher on duty.
- absences due to valid reasons are processed according to an individual schedule with the permission of the dean's office.

Academic integrity policy:

applicants must observe academic integrity, namely:

- independent performance of all types of work, tasks, forms of control provided for by the work program of this educational discipline;
- references to sources of information in the case of using ideas, developments, statements,

information;

- compliance with the legislation on copyright and related rights;
- provision of reliable information about the results of one's own educational (scientific) activity, used research methods and sources of information.

unacceptable in educational activities for participants of the educational process are:

- using family or official ties to obtain a positive or higher grade during any form of control of learning outcomes or academic performance;
- use of prohibited auxiliary materials or technical means (cheat sheets, notes, micro-earphones, telephones, smartphones, tablets, etc.) during control measures;
- passing procedures for control of training results by fake persons.

for violation of academic integrity, students may be held to the following academic responsibility:

- a decrease in the results of assessment of control work, assessment in class, credit, etc.;
- retaking the assessment (control work, credit, etc.);
- appointment of additional control measures (additional individual tasks, control works, tests, etc.);
- conducting an additional inspection of other works authored by the violator.

Attendance and tardiness policy:

Uniform: a medical gown that completely covers the outer clothing, or medical pajamas, a cap, a mask, and a change of shoes.

Equipment: notebook, pen,.

Health: applicants suffering from acute infectious diseases, including respiratory diseases, are not allowed to attend classes.

Student who is late for class can attend it, but if the teacher has put "nb" in the journal, he must work it out in the general order.

Use of mobile devices:

mobile devices may be used by students with the permission of the teacher if they are needed for the task.

Behavior in the audience:

The behavior of applicants and teachers in the classrooms must be working and calm, strictly comply with the rules established by the regulations on academic integrity and ethics of academic relations at Odessa national medical university, in accordance with the code of academic ethics and university community relations of Odessa national medical university, regulations on prevention and detection of academic plagiarism in the research and educational work of higher education applicants, scientists and teachers of Odessa national medical university.