

MINISTRY OF HEALTH OF UKRAINE
ODESA NATIONAL MEDICAL UNIVERSITY
Medical, international faculties
Department of OTORHINOLARYNGOLOGY
Syllabus of the elective discipline
«CURRENT ISSUES OF EAR SURGERY»

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| Scope of the academic discipline | Total number of hours per discipline: 90 hours, 3 credits. Semesters: XI - XII. 6th year of study. |
| Days, time, place of educational discipline | According to the schedule of classes. Department of Otorhinolaryngology Base of KIE "ODKH" ODC, 26, str. Akademik Zabolotny, 9th floor. Base of the University Clinic, st. Tinista, 8, basement. |
| Professors | Serhii Mykhailovych Pukhlik, Head of the Department, PhD, Professor. Yevchev Fedir Dmytrovych, PhD, Professor. Associate professors: Bohdanov Kyrylo Georgiyovych, PhD. Olga Valentinivna 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 Valentinivna 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 study of the discipline is surgical treatment of chronic purulent otitis media; tactics of conservative and surgical treatment of exudative otitis; tactics of conservative and surgical treatment of adhesive otitis; tactics of surgical treatment of otosclerosis; patient examination methodology, features of examination of a patient with deafness.

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

Prerequisites: 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, phthisiology, anesthesiology and intensive care, emergency and urgent medical care, hygiene and ecology, palliative and hospice medicine, general practice (family medicine).

The aim of the discipline: acquisition by the learner of additional knowledge and mastery of professional competences and skills of observation and management of patients with ear pathology; communication skills, taking into account the characteristics of a family doctor's communication with a healthy and sick person.

Tasks of the discipline:

1. Assimilation of diagnostic methods for patients with chronic purulent otitis media, exudative otitis, adhesive middle ear disease, otosclerosis;
2. Mastering the basic principles of operative interventions on the middle ear;
3. Assimilation of indications and contraindications for operative interventions on the middle ear;
4. Assimilation of the technique of carrying out remedial operations at the CSOM;
5. Assimilation of the technique of performance of functional and reconstructive operations in case of CSOM;
6. Mastering the technique of performing operations in adhesive otitis;

Expected results:

As a result of studying the academic discipline, the applicant must:

Know:

Basics of analgesia in otosurgery; tactics of conservative and surgical treatment of chronic purulent otitis media; tactics of conservative and surgical treatment of exudative otitis; tactics of conservative and surgical treatment of adhesive otitis; tactics of surgical treatment of otosclerosis; patient examination methodology, features of examination of a patient with deafness .

Be able:

- organize appropriate sanitary and epidemic conditions for various premises of the ENT department;
- conduct anamnesis collection and objective examination of the ENT of a patient with middle ear diseases;
- choose an adequate method of anesthesia for carrying out one or another intervention;
- diagnose various hearing disorders;
- choose the tactics of postoperative management of the patient's ENT, depending on the surgical intervention;
- diagnose various inflammatory and non-inflammatory processes in the middle ear, carry out differential diagnosis between them;
- choose the appropriate surgical tactics for various diseases of the middle ear;
- to draw up a program of postoperative supervision of the patient;

The content of the educational discipline

Topic 1. Clinical anatomy and physiology of the hearing organ. Clinical anatomy of the external ear (auricle, external auditory canal). The structure of the tympanic membrane. System of cavities of the middle ear, walls of the tympanic cavity, its contents. Topography of the facial nerve. Types of mastoid structure. The structure of the cochlear and its receptor apparatus.

Topic 2. Hearing research methods. Hearing research in whispered and spoken language. Hearing research using tuning forks. Hearing passport. Tone threshold audiometry. Ways of masking. Types of audiograms for disorders of the sound-conducting and sound-receiving departments. Methods of determining the degree of hearing loss. The concept of "phenomenon of accelerated increase in volume" .

Topic 3. Endoscopic methods of research of ENT organs. Otoscopy: usual, with the help of a Zigle watering can, an otoscope. Microotoscopy, direct endoscopy. Endoscopic examination of the nasopharynx.

Topic 4. Etiology and pathogenesis of chronic purulent otitis media. The role of auditory tube function in the development of chronic purulent otitis media. The role of diseases of the upper respiratory tract, the immunological state of the body and the allergic factor in the genesis of chronic purulent otitis media. Forms of chronic purulent otitis media /

Topic 5. Chronic tubo-tympanic otitis media. Clinical course. Antromastoidotomy with mastoidoplasty. Tympanoplasty. Audiometric indications and contraindications to hearing restoration operations. Stages and types (according to Wulshtein) of tympanoplasty, principles of surgical technique. The use of various materials for the restoration of defects of the tympanic membrane and auditory ossicles (auto-homo- and allografts).

Topic 6. Chronic epitympano-antral otitis media. Cholesteatoma - theories of genesis, forms, classification. Indications for radical ear surgery, its stages. Indications for hearing restoration operations. Tympanoplasty. Oblivities of the postoperative course after remedial and hearing-improving operations on the middle ear, possible complications.

Topic 7. Secretory otitis media - causes, significance of allergy and dysfunction of the auditory tube in the genesis of the disease. Otoscopy data, study of auditory function. Data of audiometry and tympanometry in secretory otitis media.

Topic 8. Methods of conservative and surgical treatment of secretory otitis media: tympanopuncture, myringotomy, shunting, laser drainage of the tympanic cavity. Analgesia during shunting of the tympanic cavity, types of shunts.

Topic 9. Peculiarities of the postoperative course after bypass of the tympanic cavity, possible complications. The tactics of the surgeon in case of complications of myringotomy or shunting of the tympanic cavity.

Topic 10. Adhesive disease of the middle ear - causes, significance of allergy and dysfunction of the auditory tube in the genesis of the disease. Otoscopy data, study of auditory function.

Topic 11. Methods of conservative and surgical treatment. Tympanoplasty.

Topic 12. The use of various materials for the restoration of defects of the tympanic membrane and auditory ossicles (auto-homo- and allografts). Peculiarities of the postoperative course after tympanoplasty, possible complications.

Topic 13. Otosclerosis - pathomorphological changes in the temporal bone, clinical symptoms, acumetry and vestibulometry data.

Topic 14. Principles of conservative and surgical treatment of otosclerosis. Stapedectomy and stapedoplasty.

Topic 15. Peculiarities of the postoperative course after operations for otosclerosis, possible complications.

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).

12.Recommended literature

Basic:

1. V.I. Popovych Modern standards of treatment of acute inflammatory diseases of the ENT organs (Recommendations). - Kyiv, 2019. - 80 p.
2. Babinets L.S., Bezditko P.A., Pukhlik S.M. etc. Family medicine: in 3 books: textbook. Book Special part.Multi-specialty of general medical practice.- k., 2017.680 p.
3. Zabolotnyi D.I., Mitin Y.V., Bezshapochnyi S.B., DievaYu.V. Otorhinolaryngology. - K.: VSV "Medicine", 2020. - 460 p.

Additional:

1. R.Corbridge, N.Steventon. Oxford Handbook of ENT and Head and Neck Surgery //Paperback, 2020. - 496 p.
2. Y.Mitin, Y.Deyeva, Y.Gomza, V. Didkovskiyi etc. Otorhinolaryngology// Medicine, 2018. – 264p.
3. M. M Paparella.Paparella’S Otolaryngology Head & Neck Surgery (2 Volumes)// Hardcover, 2020. – 460p.
4. 10.J. A.Seikel, D.G.Drumright, D.J.Hudock.Anatomy and Physiology for Speech, Language, and Hearing //Format Hardback, 2019. - 700 p.
5. 11.K.S.Helfer, E.L.Bartlett, A.N.Popper, R.R.Fay. Aging and Hearing: Causes and Consequences// Hardback< 2020. – 326p.
6. 12.A.Al-Qahtani, H.Haidar, A.Larem. Textbook of Clinical Otolaryngology// Hardback, 2020. - 1155 p.
7. 13.Z.Mu, J.Fang. Practical Otorhinolaryngology, Head and Neck Surgery: Diagnosis and Treatment// Hardback, 2020. - 314 p.
8. 14.H.H.Ramadan, F.M.Baroodiy. Pediatric Rhinosinusitis// Paperback, 2020. - 300 p.
9. 15.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

1. World Health Organization. URL: www.who.int/ru/index.html.
2. European Regional Office of the World Health Organization. URL: www.euro.who.int.
3. www.ama-assn.org – American Medical Association
4. www.dec.gov.ua/mtd/home/ - State Expert Center of the Ministry of Health of Ukraine
5. <http://bma.org.uk>– British Medical Association
6. www.gmc-uk.org- General Medical Council (GMC)
7. 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 |

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|-----------------------|---|
| | 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.