

**ODESA NATIONAL MEDICAL UNIVERSITY**  
*Department of OTORHINOLARYNGOLOGY*

**Syllabus of the elective discipline**  
**MODERN METHODS OF DIAGNOSTIC AND TREATMENT OF ALLERGIC DISEASES**  
**IN OTOLARYNGOLOGY**

<b>Scope of the academic discipline</b>	Total number of hours per discipline: 120 hours, 4 credits. PhD students
<b>Days, time, place of educational discipline</b>	III semester, 2 year According to the schedule of classes. Department of Otorhinolaryngology Base of KIE "CKH No. 11" OCC, 5, str. Akademik Vorobyov, building #8, second floor. Base of KIE "ODKH" ODC, 32, str. Akademik Zabolotny, 9th floor. Base of the University Clinic, st. Tinista, 8, basement.
<b>Professors</b>	Serhii Mykhailovych Pukhlik, Head of the Department, PhD, Professor. Yevchev Fedir Dmytrovych, PhD, Professor. Associate professor: Bohdanov Kyrylo Georgiyovych, PhD.
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### COMMUNICATION

Communication with PhD 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 are study of modern methods of diagnosis and treatment of various manifestations of the allergic inflammatory process in the nose, pharynx, larynx and ear, the clinical course of these conditions, indications and contraindications for the use of various treatment methods and numerous schemes of drug therapy.

*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:* mastering the set of knowledge, skills, abilities and other competencies necessary for professional activity in the field of allergology in otolaryngology, formation of skills in research work, obtaining new facts and their implementation in practical medicine, performance of functional duties related to manifestations allergic diseases in otolaryngology.

*Tasks of the discipline:*

- 1) provision of knowledge regarding the classification, clinical picture and modern methods of diagnosis of allergic diseases in otolaryngology to those obtaining the degree of Doctor of Philosophy;
- 2) provision of knowledge regarding the indications and contraindications for the use of various treatment methods and numerous schemes of drug therapy to those obtaining the degree of Doctor of Philosophy.
- 3) provision of knowledge about emergency conditions in allergology and algorithms for their prevention in all areas of health care to those obtaining the degree of Doctor of Philosophy.

*Expected results:*

As a result of studying the academic discipline, the PhD student must:

*Know:-* Organization of specialized allergological and immunological assistance to the population;

- Theoretical foundations of allergology and immunology;
- Modern methods of immune system research;
  - Classification and pathogenesis of allergic reactions;
- Clinic and diagnostic measures for allergic diseases of ENT organs.

*Be able to:* -Collect allergy anamnesis;

- Formulate a diagnosis, prescribe the necessary examinations;
- Prescribe rational treatment;
- Anticipate possible complications and develop an algorithm for their elimination;
- Provide emergency care in emergency situations (anaphylactic shock, Quincke's edema).

### **Content of the academic discipline**

Topic 1. Organization of specialized allergological and immunological care

Topic 2. Theoretical foundations of allergology and immunology. Modern methods of research of the immune system. Classification and pathogenesis of allergic diseases

Topic 3. Pollen allergy.

Topic 4. Drug allergy. Serum sickness.

Topic 5. Allergic complications of vaccination.

Topic 6. Anaphylactic shock.

Topic 7. Intermittent and persistent allergic rhinitis.

Topic 8. Allergic lung diseases.

**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 PhD 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).

## ***Перелік рекомендованої літератури:***

### ***а) основна***

1. Immunology. - National textbook edited by L.V. Kuznetsova, V.D. Babazhan, and V.I. Litus. - Kyiv. - 2015. - 584 p.
2. Anaphylaxis. - Monograph edited by prof. L.V. Kuznetsova, prof. Babajana V.D., prof. Zaikova S.V. and co-authors. - Kyiv. - 2014. - 228 p.
3. Kuznetsova L.V., Babazhan V.D., Kravchun P.G., and others. Modern ideas about the etiology and pathogenesis of polypous rhinosinusitis occurring against the background of year-round allergic rhinitis. - Monograph. - Kyiv, 2015 - 94 p.
4. Clinical and laboratory immunology. - National textbook //Edited by Doctor of Medical Sciences, Professor L.V. Kuznetsova, Doctor of Medical Sciences, Professor V.D. Babazhan, Doctor of Medical Sciences, Professor V.M. Frolov. - K.O.O.O.: "Polygraph Plus". - Kyiv. - 2012. – 922 p.: ill.
5. Clinical immunology and allergology. - Study guide of medical universities of the IV accreditation level and medical faculties of universities (edited by: correspondent member of AMNU, MD, Professor O.M. Bilovol, MD, Professor P.G. Kravchun, Dr. .M.Sc., Professor V.D. Babajan, M.Sc., Professor L.V. Kuznetsova).
6. Kuznetsova L.V., Nazarenko O.P., Frolov V.M., and others. Patient selection algorithm for allergen-specific immunotherapy (ASIT). - Methodological recommendations (85.11/213.11) - Kyiv. - 2011. - 31 p.
7. Allergy. Official Journal of the European Academy of Allergy and Clinical Immunology (EAACI). – all issues and numbers for 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011 so far.
8. Immunology. Official Journal of the European Academy of Allergy and Clinical Immunology (EAACI). – all issues and numbers for 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011 so far.
9. Immunology IV. Clinical Applications in Health and Disease. – Josef A. Bellanti., Alejandro Escobar-Gutierrez., Gerge C. Tsokos. - Bethesda, Meryland. - 2012. - 1064 p.

### ***Additional:***

1. Order of the Ministry of Health of Ukraine No. 422 dated November 19, 2002. "On further development of clinical immunology in Ukraine".
2. Order of the Ministry of Health of Ukraine No. 626 dated October 8, 2007. "On the approval of clinical protocols for providing medical care to patients with immune diseases."
3. Order of the Ministry of Health of Ukraine No. 99 dated March 2, 2007. "On the approval of the Hygienic standard "List of industrial allergens".
4. Order of the Ministry of Health of Ukraine No. 441 dated July 4, 2006. METHODOLOGICAL INSTRUCTIONS "Organization and implementation of immunological monitoring for infections controlled by means of specific prevention (diphtheria, tetanus, whooping cough and measles).
5. Order of the Ministry of Health of Ukraine dated December 30, 2015 No. 916 "Drug allergy, including anaphylaxis."

## **Electronic information resources**

1. Ministry of Health of Ukraine: <https://moz.gov.ua>
2. National Scientific Medical Library of Ukraine: <https://library.gov.ua>
3. Testing Center of the Ministry of Health of Ukraine: <https://www.testcentr.org.ua/uk/>
4. Archive of the journal "Medical Perspectives": <https://medpers.dsma.dp.ua>
5. Archive of the journal "Ukrainian Medical Journal": <https://www.umj.com.ua/archive>
6. Internet publication "News of medicine and pharmacy": <http://www.mif-ua.com/archive/gazeta-novosti-meditsinyi-i-farmatsii/numbers>
7. English-language web resource for doctors and other health care professionals: <https://www.medscape.com>
8. English text database of medical and biological publications: <https://pubmed.ncbi.nlm.nih.gov>

## EVALUATION

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

### Criteria of ongoing assessment at the practical class

Score	Assessment criterion
Excellent «5»	The PhD 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 PhD 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 PhD 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 PhD 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 PhD 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 PHD 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.