

Odessa National Medical University

Faculty of Dentistry

Department of Surgical Dentistry

SYLLABUS OF THE COURSE

MODERN DIAGNOSIS OF DISEASES OF THE TMJ AND SALIVARY GLANDS

Amount	60 hours \ 2 credits
Semester, year of study	VIII semester, 4 years of study
Days, time, place	VIII semester - classes (2 hours) according to the schedule twice a week, 8.30-16.00; Department of Surgical Dentistry (11 Richelievskaya Street)
Teachers	Ivanchenko SV, Dmitrieva NB, Parasochkina VV
Contact phone	0949964216
E-mail	Hirstom_onmu@ukr.net
Workplace	Department of Surgical Dentistry (11 Richelievskaya Street)
Consultations	Eye consultations: Thursday from 14.30 to 18.00, Saturday 9.00-15.00 every week

Communication with students - face-to-face meetings, on line (zoom, google meet, Microsoft teams)

Description of the discipline (abstract).

The course "Modern diagnostics of diseases of the TMJ and salivary glands" is aimed at acquainting students with inflammatory diseases of the salivary glands of non-calculous genesis: classification, pathological anatomy, clinic, modern research methods in diseases of the salivary glands, treatment.

Classification, clinic, differential diagnosis and methods of treatment of inflammatory and dystrophic diseases of the TMJ. Principles of complex examination of patients with mandibular contracture, TMJ pain dysfunction syndrome, basics of differential diagnosis. Methods of treatment of ankylosis and contractures of the mandible, their etiology, pathogenesis, diagnosis, treatment. Possibilities of arthroscopy and arthroscopic surgery of TMJ diseases.

Practical classes involve students mastering the practical skills of examining patients with diseases of the TMJ and salivary glands, methods of treatment.

Teaching is based on the principles of evidence-based medicine using current standards (guidelines) of world professional societies.

The course covers the main both practical and theoretical aspects of the future dentist.

Prerequisites.

The study of the discipline involves the preliminary mastering of academic disciplines with:

1. Normal anatomy
1. Normal physiology
2. Histology, embryology and cytology
3. Pathological anatomy
4. Pathological physiology
5. Operative surgery and topographic anatomy
6. Microbiology, virology and immunology
7. Medical biology
8. General and clinical pharmacology
9. Hospital surgery and dental surgery
10. Propaedeutics of internal diseases
11. Skin and venereal diseases
12. Therapeutic dentistry
13. Orthopedic dentistry
14. Orthodontics,

and have practical skills in caring for patients with a surgical profile. And their management in outpatient and inpatient settings.

Postrequisites.

The main provisions of the discipline should be applied in the study of related disciplines during 5 years of study, is the basis for preparation for the licensing exam EDKI, preparation for study in higher education institutions in the programs of the third educational and scientific level of higher education.

Objective: to provide training for highly qualified specialists in the field of dentistry, namely in surgical dentistry, able to solve complex problems of diagnosis and treatment of patients in need of diagnosis and treatment of TMJ and salivary glands.

Topic tasks:

- to examine the patient, study the leading syndromes and symptoms in the diagnosis and treatment of TMJ,
- substantiation and formulation of the preliminary diagnosis;
- ability to analyze the results of the survey and conduct differential diagnosis,
- to make a final diagnosis of major diseases of the TMJ,
- to determine the principles of complex treatment and complications of TMJ diseases

Expected results:

The student must know:

- anatomical features of the structure of the oral cavity so as TMJ ,
- physiology and pathology of the development of the maxillofacial apparatus,
- basics of surgery ,
- bone biochemistry,
- physiology and pathophysiology of bone tissue,
- principles of examination of patients: to know the importance of special and auxiliary methods of examination for differential diagnosis of TMJ,
- etiology and pathogenesis of TMJ diseases and their impact on organs and systems of the human body,
- clinical manifestations of TMJ diseases
- indications for the use of various methods of treatment of TMJ diseases, to develop a treatment plan and tactics, to establish the primary (preliminary) diagnosis based on the analysis of the results and to determine the indications for dental interventions,
- prevention of inflammatory processes of the maxillofacial area, diseases of the temporomandibular joints,
- principles and methods of anesthesiology, general and local anesthesia,
- issues of asepsis and antiseptics.

Description of the discipline***Forms and methods of teaching:***

-the course will be presented in the form of lectures, practical classes, organization of independent work of students.

-during teaching the discipline the following teaching methods are used: lectures, explanations, multimedia presentations, photo tasks, situational training, simulation training, oral examination, testing, individual tasks, independent work with the textbook.

Course content:

COURSE " Modern diagnostics of diseases of the TMJ and salivary glands "
(60 years), 2 credits.@

#	Lecture topics	Number of hours
1.	Salivary glands: structure, functions, classification, topography	2
2	Classification, Pat. anatomy, clinic, modern methods of research at diseases of salivary glands, treatment.	2
3	TMJ: ontogenesis, structure, functions, innervation and blood supply	2
4	Classification, clinic, differential diagnosis and treatment of inflammatory and dystrophic diseases of the TMJ. Possibilities of arthroscopy and arthroscopic surgery of TMJ diseases.	2
5	Principles of comprehensive examination of patients with mandibular contracture, TMJ pain dysfunction syndrome. Basics diff. diagnostics, surgical methods of treatment of ankylosis and mandibular contractures. Etiology, pathogenesis, diagnosis, treatment.	2

	Hours in general	10
Topics of seminar classes		
1.	Inflammatory diseases of the salivary glands of non-calculous genesis. Classification, Pat. anatomy, clinic, modern methods of research at diseases of salivary glands, treatment.	2
2.	Nonspecific diseases of the salivary glands of non-calculous origin. Sialosis, sialopathy. Stalemate. anatomy, clinic, research methods, treatment.	2
3.	Classification, clinic, differential diagnosis and treatment of inflammatory and dystrophic diseases of the TMJ. Possibilities of arthroscopy and arthroscopic surgery of TMJ diseases.	2
4.	Principles of comprehensive examination of patients with mandibular contracture, TMJ pain dysfunction syndrome. Basics diff. diagnostics, surgical methods of treatment of ankylosis and mandibular contractures. Etiology, pathogenesis, diagnosis, treatment.	2
5.	Final lesson.	2
	Hours in general	10
Themes of independent works		
1.	Anatomy of the temporomandibular joint (TMJ). Modern methods of diagnosing TMJ diseases. Arthroscopy, its possibilities in the diagnosis and treatment of TMJ diseases.	6
2.	Lower jaw contracture: etiology, classification, clinic, differential diagnosis, treatment, prevention	6
3.	Ankylosis of the temporomandibular joint: etiology, pathogenesis, classification, clinic, diagnosis, treatment.	6
4.	Diseases of the salivary glands: inflammatory diseases, autoimmune diseases, salivary stone disease.	6
5.	Benign tumors and cysts of the salivary glands: classification etiology, histological structure, clinic, differential diagnosis, principles and methods of treatment.	6
	Hours in general	40

Discipline policy and values.

In order to successfully complete the relevant course, it is necessary to regularly attend practical classes; to have theoretical preparation for practical classes according to the subject; not to be late and not to miss classes; perform all necessary tasks and work in each lesson; be able to work with a partner or in a group; contact the curators of the course on various issues on the subject of classes and receive it when you need it.

Students can discuss different tasks, but their performance is strictly individual. It is not allowed to write off, use various software, tips, use a mobile phone, tablet or other electronic gadgets during classes for purposes other than the educational process. Students are not allowed to be late for practical classes.

Curation of patients is possible provided that students have the appropriate form of clothing, a health book with a mark on vaccination against diphtheria, the results of the examination for the stress of immunity to measles (or a mark on vaccination).

Students with special needs can meet with the teacher or warn him before the start of classes, at the request of the student it can be done by the head of the group. If you have any questions, please contact the teacher.

Students' participation in research and conferences on this topic is encouraged.

All ONMedU students are protected by the Regulations on the Prevention, Prevention and Settlement of Cases Related to Sexual Harassment and Discrimination at ONMedU, designed to define an effective mechanism for resolving conflict situations related to discrimination and sexual harassment. This Regulation is developed on the basis of the following normative legal acts of Ukraine: the Constitution of Ukraine; Law of Ukraine "On Education"; Law of Ukraine "On Higher Education"; Law of Ukraine "On Principles of Preventing and Combating Discrimination in Ukraine"; Law of Ukraine "On Ensuring Equal Rights and Opportunities for Women and Men"; Convention for the Protection of Human Rights and Fundamental Freedoms; Convention for the Suppression of Discrimination in Education; Convention on the Elimination of All Forms of Discrimination against Women; General Recommendation № 25 to Article 4, paragraph 1, of the Convention on the Elimination of All Forms of Discrimination against Women; General Comment № 16 (2005) "Equal rights for men and women to enjoy economic, social and cultural rights" (Article 3 of the International Covenant on Economic, Social and Cultural Rights; UN Committee on Economic, Social and Cultural Rights). ONMedU provides training and employment that is free from discrimination, sexual harassment, intimidation or exploitation. The University recognizes the importance of confidentiality. All persons responsible for the implementation of this policy (staff of deans' offices, faculties, institutes and the Center for Gender Education, members of the student government and ethics committee, vice-rector for research and teaching) are confidential about those who report or accuse of discrimination. or sexual harassment (except where the law requires disclosure and / or when disclosure by the University is necessary to protect the safety of others). ONMedU creates a space of equal opportunity free from discrimination of any national, racial or ethnic origin, sex, age, disability, religion, sexual orientation, gender, or marital status. All rights, privileges, programs and activities granted to students or staff of the University apply to all without exception, provided they are properly qualified.

Academic Integrity Policy

Adherence to academic integrity by students involves independent performance of educational tasks, tasks of current and final control of learning outcomes.

The use of prohibited auxiliary materials or technical means (cheat sheets, headphones, telephones, smartphones, etc.) during control activities is unacceptable in the educational activities of participants in the educational process; passing of procedures of control of results of training by fictitious persons.

For violation of academic integrity, the applicant may be held subject to the following academic liability:

- reduction of assessment results (exam, test, etc.),
- re-assessment (exam, test, etc.),
- appointment of additional control measures (additional individual tasks, tests, etc.),
- re-passing the relevant educational component of the educational program,
- deprivation of the right to participate in competitions for scholarships,
- deprivation of tuition benefits provided by the University,

- deductions from the university.

Attendance and lateness policy.

Absence of a student at lectures or practical classes is noted in the journal of visits in the form of a mark "nb", delay — "op". The student must work off the practical classes for 2 weeks.

Mobile devices

The student can use technical means (phones, smartphones, tablets) in preparation for the test computer control.

Behavior in the audience

It is important for students to follow the rules of good behavior at the university. These rules are common to all, they also apply to all faculty and staff, and are not fundamentally different from the generally accepted norms.

During classes

- allowed:

- leave the audience for a short time if necessary and with the permission of the teacher;
- drink soft drinks;
- take photos of presentation slides;
- take an active part in the lesson).

- forbidden:

- eat (except for persons whose special medical condition requires another - in this case, medical confirmation is required);
- smoking, drinking alcohol and even low-alcohol beverages or drugs;
- use obscene language or use words that offend the honor and dignity of colleagues and faculty
- gambling;
- damage the material and technical base of the university (damage inventory, equipment; furniture, walls, floors, litter the premises and territories);
- shouting, shouting or listening to loud music in classrooms and even in corridors during classes.

Plagiarism and academic integrity

The Department of Surgical Dentistry of ONMedU maintains zero tolerance for plagiarism. Students are expected to constantly raise their awareness of academic writing. The first lessons will provide information on what to consider plagiarism and how to properly conduct research and scientific research.

Occupational Health

The first lesson of the course will explain the basic principles of labor protection by conducting appropriate training. It is expected that every higher education applicant should know where the evacuation exit closest to the audience is, where the fire extinguisher is, how to use it, and so on.

Evaluation

Methods of current control

Current control is carried out on the basis of daily control of theoretical knowledge, practical skills through oral interviews, computer testing. At the end of the discipline, the current performance is calculated as the average current score.

Forms and methods of final control

The form of final control is an oral exam. At the end of the 4th year students take an exam. The theoretical part includes answers to questions in the ticket, solving a practical problem or solving test problems (30), reading radiographs, selection and explanation of the purpose of surgical instruments for surgery.

Independent work of students

Types of independent work of students: preparation for practical classes and study of topics that are considered only in terms of independent work of students, search and study of additional literature, writing essays, reports for presentations with messages in practical classes.

Evaluation criteria

- **"excellent"** - receives a student who fully possesses the theoretical educational material on the topic, can use the acquired knowledge to answer questions, justifies his answer; mastered the practical skills provided by the topic of the lesson; solves test problems on the topic and explains the course of their solution;

- **"good"** - gets a student who fully possesses theoretical teaching material on the topic, can use the knowledge to answer questions, but with some difficulty justifies his answer; mastered the practical skills provided by the relevant lesson; can solve test problems on the topic and explain the course of their solution;

- **"satisfactory"** - gets a student who does not have enough theoretical teaching material on the topic, has difficulty using the knowledge gained, can not justify their answer; not sufficiently mastered the practical skills provided by the relevant lesson; with difficulty solves test problems on the topic;

- **"unsatisfactory"** - receives a student who does not have theoretical educational material on the topic, can not use the acquired knowledge to answer questions and justify their answer; has not mastered all the practical skills required by the relevant lesson; cannot solve and explain the solution of test problems on the topic.

List of recommended reading

1. Бернадський Ю.Й. Основи щелепно-лицевої хірургії і хірургічної стоматології. – К.: Спалах, 2003. – 512 с.
2. Лісова І. Г. Хронічні запальні захворювання слинних залоз (етіологія, патогенез, діагностика, лікування): автореф. дис. ... д-ра мед. наук. – Київ. – 2002. – 34 с.
3. Ломницький І.Я. Основи хірургічної стоматології: [навчальний посібник для студентів вищих мед. навч. закладів IV рівня акредитації] / Ігор Ярославович Ломницький; Львів. НМУ, Львів. мед. ін-т. – Вид. 2-ге, перероб. і доп. – Львів: ГалДент, 2008. – 152 с.
4. Маланчук В.О. Хірургічна стоматологія та щелепно-лицева хірургія – Київ: Логос, 2011. – Ч.2. – 672с.

5. Семенченко Г.И. Клиника и лечение воспалительных и воспалительно-дистрофических заболеваний слюнных желез / Г.И. Семенченко, А.Ф. Коваленко, А.П. Левицкий // Методические рекомендации. – Киев, – 1997. – 17 с.
6. Тимофеев А.А. Руководство по челюстно-лицевой хирургии и хирургической стоматологии. – 4-е изд., перераб. и доп. – Киев: ООО «Червона Рута-Туре», 2004. – 1062 с: ил.
7. Тимофеев О. О. Захворювання слинних залоз / О. О. Тимофеев. – Л. : ВНТЛ-Класика, 2007. – 160 с.
8. Хірургічна стоматологія та щелепно-лицева хірургія: підручник : у 2 т. / В. О. Маланчук, О. С. Воловар, І. Ю. Гарляускайте [та ін.]. – К. : Логос, 2011. – Т. 1. – С. 329–363.
9. Carlson G. W. The salivary glands / G. W. Carlson // Surgical Clin North America. – 2000, 80.

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