

Odessa National Medical University

Faculty of Dentistry

Department of Surgical Dentistry

Syllabus of discipline

A multidisciplinary approach in the rehabilitation of children with congenital pathology MFA

Amount	104 hours / 3.5 credits
Semester, year of study	5th year, 10th semester.
Days, time, place	10th semester - classes (2 hours) according to the schedule twice on week, 8.30-16.00; Department of Surgical Dentistry (11 Richelievskaya Street)
Teachers	Kriklyas Vladimir Henrikhovich, associate professor
Contact phone	0503164980
E-mail	hirstom_onmu@ukr.net
Workplace	Department of Surgical Dentistry (11 Richelievskaya Street)
Consultations	Eye consultations: Thursday from 2.30 pm to 6.00 pm every week

Communications with students - face-to-face meetings, E-mail, zoom, Microsoft teams

SUMMARY DISCIPLINE

The subject of study of the discipline.

The subject of study of the discipline is to determine the etiopathogenesis of congenital clefts of the upper lip and palate, diagnostic and therapeutic measures in the practical activities of a doctor-surgeon-dentist, the organization of care for patients with clefts.

Prerequisites and postrequisites of the course:

<i>Semester</i>	<i>Subjects</i>	<i>Title of sections</i>	<i>Se- me- -p</i>	<i>Surgical dentistry Section and topics</i>
1-2	Normal anatomy	12 pairs of cranial nerves. Skull. Upper and lower jaws, teeth Muscles of the head and neck	5	Clinical anatomy and operative surgery of the maxillofacial area.
3-4	Normal physiology	Blood pressure Clinical and physiological methods of blood tests. Physiological mechanisms of pain	5	Anatomy and topography of the maxillofacial area

		and analgesia		
1-2	Histology, embryology and cytology	Vessels and nerves of the maxillofacial area. Anatomy and histology.	5	Cellular composition of vessels, muscles, fascia and nerves of the maxillofacial area.
5	Operative surgery and top anatomy	Topographic anatomy of the trigeminal and facial nerves and vessels, muscles and fascia of the maxillofacial area.	5	Mutual location of blood vessels, nerves, muscles and fascia in different regions of the maxillofacial area.
3-4	Microbiologic, virology and immunology	Morphology and physiology microorganisms Immunology. Virology	5	Distribution of bacteria into saprophytes and parasites. Virology. Introduction to COVID-19.
3-4	Medical chemistry	Biochemistry of blood and liver	5	Methods of examination of patients
5-6 8	General and clinical pharmacological gia	General pharmacology Clinical pharmacology	5	Medicinal effect on muscles, blood vessels and nerves
4-8	Hospital surgery and dental surgery	Asepsis and antiseptics. Desmurgia.	5	Carrying out surgical interventions in the maxillofacial area
4	Propaedeutists inside diseases	Methods of examination of muscles, vessels and nerves in the patient.	5	Methods of examination of muscles, vessels and nerves in the maxillofacial area.
7	Social medicine, health management and economics	Problems of medical deontology and medical ethics. Organization of the dental clinic Analysis of the performance of the dental clinic. Insurance medicine	5 5	At inspection and treatment of patients Organization of a surgical dental department (office, dental clinic, hospital). Maintaining the necessary documentation
3-4	Department of General Hygiene	Sanitary education and hygienic education of the population	5	Prevention of dental diseases
8	Phthisiopulmonology	Tuberculosis	6	Specific inflammatory processes of the maxillofacial area.
7	Otorhinolaryngology	Acute and chronic sinusitis	6	Acute and chronic odontogenic sinusitis
8	Skin and venereal diseases	Tuberculosis of the skin and mucous membranes . Red erythematous . General pathology and course of syphilis.	6	Specific inflammatory processes of the maxillofacial area: syphilis and tuberculosis, their manifestations.
7	Infectious	To spend.	6	Features of manifestation of

	diseases with a course of epidemiology	Beshiha, noma. Sepsis. Staphylococcal infection. Parotitis	6	specific infectious diseases in the maxillofacial area.
3	Therapeutic dentistry	Anatomy and histology of teeth and mucous membranes of the oral cavity.	5	Surgical methods of examination of diseases of the teeth and mucous membranes and oral cavity.
7				
5-6	Orthopedic dentistry	Topographic and functional anatomy of the maxillofacial area. The main groups of teeth and their anatomical and functional characteristics. Anatomical and functional structure of the periodontium. Anatomy and function of the muscles of the maxillofacial area.	5	Topographic anatomy of the maxillofacial area.
6	Orthodontics	Physiological and pathological bite.	6	Mutual location of the upper and lower jaws in the maxillofacial area.

Post-requisites of the *discipline*

For example, cosmetic surgery of the maxillofacial area requires from the doctor a thorough knowledge of the anatomy and topography of the tissues of the maxillofacial area. 3 d modeling of plastic surgery of the maxillofacial area.

The purpose of the discipline.

Teaching the discipline " Polydisciplinary approach in the rehabilitation of children with congenital pathology of the thyroid gland " is a professional training of a dentist, which involves mastering the theoretical and practical issues of the cleft upper lip and palate.

Tasks of discipline .

" Polydisciplinary approach in the rehabilitation of children with congenital pathology of the thyroid gland " is the study of theoretical and practical issues of the division of the cleft upper lip and palate.

Expected results:

To form the responsibility of the student, as a future specialist, for the level of his training and its improvement during his studies and professional activity. The student must master the principles of examination of patients: to know the clinical anatomy and surgical surgery of the maxillofacial area. Be able to use this knowledge for examination, differential diagnosis and treatment of dental diseases.

9. DESCRIPTION OF THE COURSE:

Forms and methods of teaching:

The course will be presented in the form of lectures (12 hours) and practical classes (24 hours), organization of independent work of students (48 hours).

During the teaching of the discipline the following methods are used: theoretical questioning, testing, solving situational problems with the help of interactive and multimedia technologies.

Course content:

COURSE " Polydisciplinary approach in the rehabilitation of children with congenital pathology of the thyroid gland " (104 hours), 3.5 credits.

Lecture topics	Number of hours
1. Congenital clefts of the upper lip and palate. Etiology, ontogenesis.	2
2. Clinic, diagnosis, treatment of patients with congenital clefts of the upper lip.	2
3. Clinic, diagnosis of treatment of patients with congenital clefts of the series	2
4 Syndromes that are combined with cleft upper lip and palate.	2
5 Organization of care for children with congenital clefts of the upper lip and palate in Ukraine	2
6 Comprehensive treatment and rehabilitation of patients with congenital clefts of the upper lip and palate	2
Hours in general	12
Topics of seminars	
1. Congenital clefts of the upper lip and palate. Etiology, ontogenesis. Clinic, diagnosis, treatment of patients with congenital clefts of the upper lip and row.	4
2. Syndromes that are combined with cleft upper lip and palate.	2
3. Clinical features of congenital clefts of the upper lip, diagnosis	2
4 Comprehensive treatment and rehabilitation of patients with congenital clefts of the upper lip and palate	2
5 Methods of surgical treatment and age of surgical interventions in patients with congenital cleft upper lip.	4
6 Clinical forms and diagnosis of congenital cleft palate.	2

- 7 Techniques of surgical interventions, age terms of their carrying out at patients₄
with congenital gorges of a number.
- 8 Organization of care for children with congenital clefts of the upper lip and palate in₂
Ukraine
- 9 Examination of incapacity for work and rehabilitation of patients with congenital₂
cleft upper lip, with syndromes associated with them.

Hours in general

24

SW topics

- 1 Ontogenesis of the upper, lower jaw, lip tissues.
- 1 Prevalence, frequency of congenital cleft upper lip and palate in Ukraine and 6
other countries.
- 2 Evolution of cheiloplasty methods. The contribution of Ukrainian doctors to the
improvement of cheiloplasty techniques.
- 2 The contribution of Ukrainian doctors to the improvement of cheiloplasty 8
techniques. The contribution of the Department of Surgical Dentistry of ONMedU to
the improvement and development of cheiloplasty methods.
- 3 Stages of development of uranoplasty methods. The contribution of Ukrainian
scientists to the improvement of uranoplasty methods.
- 3 Features of anesthesia in patients with congenital cleft upper lip and palate 8
during surgery.
- 4 Features of physical development in children with congenital cleft upper lip and
palate. Features of ENT organs in children with congenital cleft upper lip and 8
palate. Features of mental and psychological development in children with congenital
cleft upper lip and palate.
- 5 Features of speech in children with congenital cleft upper lip and palate. Speech
therapy training in complex rehabilitation of children with congenital cleft upper lip 4
and palate.
- 6 Condition of periodontal tissues and oral mucosa in patients with congenital
cleft upper lip and palate. Bite disorders in patients with various forms of congenital 6
clefts of the upper lip and palate. Features of prosthetics in the rehabilitation complex
of patients with congenital cleft upper lip and palate.
- 7 Complications are possible after cheiloplasty surgery.
- 7 Possible complications after uranoplasty surgery. Deformation of the upper lip 8
wear after cheiloplasty.
- 8 Methods of eliminating the deformation of the upper lip and nose after
previously performed cheiloplasty. Deformities of the palate and a number of defects 8
after previous uranoplasty. Techniques for eliminating deformities of the nose and
upper lip, developed at the Department of Surgical Dentistry ONMedU.
- 9 Deformities of the upper jaw in patients after previous cheiloplasty and
uranoplasty. Methods of surgical treatment of upper jaw deformity. The method of 6
eliminating the deformation of the upper jaw, developed at the Department of
Surgical Dentistry ONMedU.
- 10 Exercise therapy and physiotherapy in the complex of rehabilitation of patients
with congenital cleft upper lip and palate. Relationship of cleft upper lip and palate 6
with other syndromes. Features - treatment and rehabilitation of these patients. Social
rehabilitation of patients with congenital cleft upper lip and palate.

Together

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List of recommended reading

1. Стоматологія : підручник : У 2 кн. — Кн. 1. / М.М. Рожко, З.Б. Попович, В.Д. Курєдова та ін.; за ред. проф. М.М. Рожка. — К. : ВСВ «Медицина», 2013. — 872 с.
2. Стоматологія : у 2 кн. : підручник. Кн. 2 / М.М. Рожко, І.І. Кириленко, О.Г. Денисенко та ін. ; за ред. М.М. Рожка. — 2-е вид. — К. : ВСВ «Медицина», 2018. — 992 с.
3. Челюстно-лицевая хирургия и хирургическая стоматология : учебник : в 2 кн. Кн. 1 / А. А. Тимофеев. — К. : ВСИ «Медицина», 2020. — 992 с.
4. Пропедевтика ортопедичної стоматології : підручник / П.С. Фліс, Г.П. Леоненко, І.А. Шинчуковський та ін. ; за ред. П.С. Фліса. — 2-е вид. — К. : ВСВ «Медицина», 2020. — 328 с.
5. Моделювання анатомічної форми зубів: підручник / П.С. Фліс, Т.М. Банних, А.М. Бібік, С.Б. Костенко. - К.: ВСВ "Медицина", 2019. -352 с.
6. Військова ортопедична стоматологія : підручник / П.В. Іщенко, В.А. Кльомін, Р.Х. Камалов, А.М. Лихота. - К.: ВСВ "Медицина", 2013. -328 с.
7. Хірургічна стоматологія та щелепно-лицева хірургія дитячого віку =Pediatric Oral and Maxillofacial Surgery : підручник / Л.В. Харьков, Л.М. Яковенко, Н.В. Кисельова ; за ред. Л.В. Харькова. — 2-е вид. — К. : ВСВ «Медицина», 2020. — 104 с
8. Odell's Clinical Problem Solving in Dentistry / A. Banerjee, S. Thavaraj; Elsevir Limited, fourth edition, 2020.-448 p.
9. A Dictionary of Dentistry / R. Ireland. Oxford University Press, 2010. - 416 p.
10. Advanced Operative Dentistry: A Practical Approach / D. Ricketts, D. Barlett.- Churchill Livingstone Elsevir, 2011. -276 p.
11. Surgical Manual of Implant Dentistry: Step-by-Step Procedures / D. Buser.- Quintessence Publishing Co, 2020. - 297 p.
12. Misch's Contemporary Implant Dentistry / R. R. Resnik. - Elsevir, Mosby, fourth edition. -1264 p.
13. Atlas of Implant Dentistry and Tooth-Preserving Surgery: Prevention and Management of Complications / Z. Stajcic. - Springer, 2019.-352 p.
14. Color Atlas of Dental Implant Surgery / M.S. Block.- Elsevir, 2010.-480 p.
15. Surgical and Radiologic Anatomy of Oral / L. Al-Faraje.- Implantology Quintessence Publishing Co, 2019.-401 p.
16. Atlas of Oral Implantology /A. N. Cranin.- Thieme-Stratton Corp, 1993. -352 p.
17. Color Atlas of Dental Medicine - Oral Pathology / P. Reichart.-Thieme-Stratton Corp, 2000. - 285 p.
18. Practical Procedures in Aesthetic Dentistry / S. Banerji, S.B. Mehta. -Willey Blackwell, 2017.- 376 p.
19. Restorative Dentistry / Italian Academy of Restor. -Elsevir, 2011.-688 p.
20. Minimally Invasive Esthetics: Essentials in Esthetic Dentistry Series/ A. Banerjee. - Elsevir, 2015. - 344 p.
21. Essentials of Human Disease in Dentistry / M. Greenwood. -Willey Blackwell, 2018.- 376 p.
22. Basic Guide to Dental Instruments / C. Scheller-Sheridan.-Willey Blackwell, 2011.- 304 p.
23. Бернадський Ю.Й. Основи щелепно-лицевої хірургії і хірургічної стоматології. К. Спалах, 2003.- 512 с.
24. Горішний Б.М., Рибалов О.В., Саяпіна Л.М. Щелепно-лицьова хірургія екстремальних ситуацій. - Полтава, 2000. - 221 с.
25. Ломницький І.Я. Пропедевтика хірургічної стоматології. - Львів, - 2005. -108

- с.
26. Основи стоматології / Под ред. В.О.Маланчука. – К.: Медицина, 2009. – 591 с.
 27. Руководство по хирургической стоматологии и челюстно-лицевой хирургии: В 2-х томах. / Под ред. В.М.Безрукова, Т.Г.Робустовой. - Изд. 2-е, перераб. и доп. - М.: Медицина, 2000. – 776с.
 28. Стоматология: Учебник / Под ред.Т.Г. Робустовой. - М.: Медицина, 2008. - 816 с.
 29. Тимофеев А.А. Руководство по челюстно-лицевой хирургии и хирургической стоматологии. - К.: Червона Рута-Турс, 2004. - 1061 с.
 30. Тимофеев А.А. Челюстно-лицевая хирургия . - Киев.: ВСИ „Медицина”, 2010. - 574 с.
 31. Хирургическая стоматология: Учебник/ Под ред.Т.Г. Робустовой. - М.: Медицина, 1999. - 576 с.
 32. Хирургическая стоматология в схемах и таблицах: Учеб. пособие для студентов и врачей-интернов/ Г.П.Рузин, А.А. Дмитриева - Харьков: ХГМУ, 2001. - 108 с.
 33. Хірургічна стоматологія та щелепно-лицева хірургія: підручник;у двох томах. – Маланчук В.О. та ін.. - Київ, „Логос”, 2011. - т.1 – 672 с., т.2 – 606 с.
 34. Хирургическая стоматология. Учебник./Под ред. Робустовой Т.Г. — М.: Медицина, 2015.

EVALUATION

Methods of current control

Current control is based on daily control of theoretical knowledge and practical skills according to specific goals of each topic by verbal control, computer control test using a test database and situational problems that are at the department, on each class for 5 - t and point traditional scale . At the end of the discipline, the current performance is calculated as the average current score.

Forms and methods of final control

At the end of the 10th semester, students take a standardized state test exam (licensed integrated exam Step-2 "Dentistry") and OSKI - an objectively structured clinical exam. The method is used to assess clinical competencies. The method is based on a comprehensive assessment by the final multiplication (10-20) of assessment stations that simulate various aspects of clinical competencies. Various simulators and stimulators, standardized patients, as well as additional diagnostic elements are used for the exam. The essence is to create for the student clinical situations that are reproduced, which allow to demonstrate the acquired technical, deductive (diagnostic, cognitive) and communication skills. OSKI simulates the process of examination and treatment of patients, so the practical tests at the OSKI station are tasks for the interpretation of the study, assessment of communication skills (history taking, etc.). OSKI stations allow to check the clinical competence connected with independent clinical activity.

Independent work of students

Independent work of students (VTS) is one of the organizational forms of learning, which is regulated by the working curriculum and is performed by students independently outside the classroom. The following types of independent work of students are possible: preparation for practical classes and study of topics that are considered only in terms of independent student work, search and study of additional literature, writing essays, reports for presentations in practical classes.

DISCIPLINE POLICY ("GAME RULES")

The student must acquire knowledge, perform all types of educational tasks, pass all types of educational control, attend all types and forms of classes provided for in the curriculum, avoiding omissions and delays.

Deadline and recompilation policy.

The student completes the missed lecture in the form of writing an abstract on the topic of the lecture. The student completes the missed practical lesson either in the form of writing an essay on the topic of the lesson, or by interviewing the teacher on duty (twice a week on Thursday and Saturday).

Academic Integrity Policy

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

Unacceptable in the educational activities of participants in the educational process is the use of family or work ties to obtain a positive and higher assessment in the implementation of any form of control of learning outcomes, the use of prohibited aids or technical means (cheat sheets, headphones, telephones, smartphones, etc.); 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 a lecture or practical lesson 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 not use technical means (phones, smartphones, tablets) when compiling a test computer control using a database of test and situational tasks that are on the website of the department.

Behavior in the audience.

Study subjects honestly and do not disturb the teacher and other students during classes.