

PRIVATE HIGHER EDUCATIONAL INSTITUTION
"INTERNATIONAL ACADEMY OF ECOLOGY AND MEDICINE"
Department of Dentistry

SYLLABUS
EDUCATIONAL DISCIPLINE
Elective course

«Modern diagnosis of diseases of the temporomandibular joint
and salivary glands»


LEVEL OF HIGHER EDUCATION The second (master's) level

DEGREE OF HIGHER EDUCATION Master

FIELD OF KNOWLEDGE 22 Healthcare

SPECIALTY 221 Dentistry

COURSE 4

Considered and approved
at a meeting of the Department of Dentistry
Protocol № 1 from «01» 09 2020 p.
Acting head of the department _____
MD, prof.  _____ Kuts P.V.

Kiev 2020

1. General information	
Subject	Elective course «Modern diagnosis of diseases of the temporomandibular joint and salivary glands»
Lector	Krynychko L.R. Ph.D.
Teacher's e-mail	forum-for-me@bigmir.net
Discipline format	Normative discipline.
The volume of the discipline	45 hours , 1,5 ECTS
Link to the distance learning site	maem.kiev.ua
Consultations	Web conferences in various programs (Zoom, Skype, Myit, Jitsy, Teams, Viber, Facebook, Cisco Webs). Exchange tasks via e-mail, Wandrive
2. Annotation to the course	
<p>The subject of study of the elective course "Modern diagnosis of diseases of the temporomandibular joint and salivary glands" is to deepen students' knowledge about features of modern diagnostics of diseases of the temporomandibular joint (TMJ) and salivary glands. The technique of TMJ arthroscopy, its main stages, hardware are considered. Attention is paid to the differential diagnosis of TMJ diseases. Attention is paid to the diagnosis of diseases of the salivary glands, the use of endoscopic techniques for the diagnosis and treatment of these diseases, hardware.</p>	
3. Purpose and objectives of the course	
<p>The purpose of teaching the elective course "Modern diagnosis of diseases of the temporomandibular joint and salivary glands" is to achieve the ultimate goals of the discipline "Orthopedic Dentistry", which are set on the basis of OPP training in medicine "Dentistry" according to the content of this elective course. The description of goals is formulated through skills in the form of target tasks (actions). On the basis of the ultimate goals to the content module, specific goals are formulated in the form of certain skills (actions), target tasks that ensure the achievement of the ultimate goal of studying the discipline.</p> <p>The ultimate goals of the discipline - deepening of knowledge about anatomical and physiological features of organs and tissues of the dental apparatus, functional anatomy and biomechanics of the dental apparatus; - improving the skills of diagnosis and differential diagnosis of diseases of the temporomandibular joint and salivary glands - deepening knowledge of modern methods of orthopedic treatment of diseases of the temporomandibular joint and salivary glands - formation of an analytical approach to the individual choice of the method of orthopedic treatment of diseases of the temporomandibular joint and salivary glands; - improving the skills of orthopedic treatment of diseases of the temporomandibular joint and salivary glands through the use of modern technologies; - deepening knowledge about errors and complications in the orthopedic treatment of diseases of the temporomandibular joint and salivary glands and improving the skills of their prevention and elimination.</p>	
4. Competencies and learning outcomes	
Learning outcomes	Teaching methods
Have modern methods for diagnosing diseases of the temporomandibular joint (TMJ) and salivary glands.	practices, oral interviews, tests, dialogue with applicants for higher education, creative work with the creation of multimedia presentations and their presentation, independent work with literary sources
<p>Integral: Ability to solve problems and problems in the field of health care in the specialty "Dentistry" in a professional activity or in the learning process, which involves research and / or innovation and is characterized by uncertainty of conditions and requirements.</p> <p>General: 1.Ability to abstract thinking, search, analysis, synthesis; processing information from various</p>	

sources, basics of evidence-based medicine. 2. Ability to lifelong learning. 3. Knowledge and understanding of the subject area and understanding of the profession. 4. Ability to implement knowledge in practice. 5. Ability to communicate orally and in writing in the state language. Ability to communicate in a foreign language. 6. Ability to effectively professional and interpersonal communication and use of information and communication technologies. 7. The ability to adapt to new conditions and situations and the ability to act autonomously in them. 8. Ability to identify and solve problems. 9. Ability to work in a team, including interdisciplinary and international. 10. Observance of deontological norms in professional activity. 11. Ability to implement a system of knowledge and practical skills to ensure a healthy lifestyle and patients. 12. Ability to self-assess their own achievements and increase their level. 13. Ability to assess the state of the environment, to help eliminate its negative effects on health. 14. Ability to act socially responsible and civic conscious. 15. Ability to organize legal support and management of professional activities. 16. Leadership in the development and implementation of innovations and their use in professional activities. 17. The ability to exercise their rights and responsibilities as a member of society, to realize the need for its sustainable development, the rule of law. 18. The ability to preserve and multiply moral, cultural, scientific values and achievements of society.

Special (professional, subject): 1. Ability to collect medical information about the patient and analyze clinical data. 2. Ability to interpret the results of laboratory and instrumental research. 3. Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergencies. 4. Ability to plan and implement measures for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial region. 5. Ability to design the process of providing medical care: to determine approaches, plan, types and principles of treatment of diseases of organs and tissues of the oral cavity and maxillofacial region. 6. Ability to determine the rational mode of work, rest, diet in patients in the treatment of diseases of organs and tissues of the oral cavity and maxillofacial region. 7. Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity with concomitant somatic diseases. 8. Ability to perform medical and dental manipulations. 9. Ability to treat major diseases of organs and tissues of the oral cavity and maxillofacial region. 10. Ability to organize and conduct medical activities. 11. Ability to determine tactics, methods and provide emergency medical care to patients 12. Ability to organize and conduct a screening examination 13. Ability to assess the impact of the environment on health (individual, family, population). 14. Ability to maintain regulatory medical records Ability to process state, social and medical information. 15. Ability to organize and conduct rehabilitation activities and care for diseases of the oral cavity. 16. Ability to legally support their own professional activities. 17. Ability to provide home care according to the protocols of tactical medicine.

5. Organization of course training

The volume of the course

Type of lesson	<i>Total amount of hours</i>
Lectures	-
Practical classes	10
Independent work	35

Course signs

Semester 7	Specialty <u>221 Dentistry</u>	Course (year of study) -4	Elective course
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Course thematics

THEMATIC PLAN OF PRACTICAL CLASSES

THEMATIC PLAN PRACTICAL COURSES OF THE CHOICE "Modern diagnosis of diseases of the temporomandibular joint and salivary glands"

№	Topic	Hours

1	Diagnosis of diseases of the temporomandibular joint (TMJ). Arthroscopy of the TMJ.	2
2	Endoscopic technique for diagnosis and treatment of TMJ diseases. Hardware.	2
3	Diagnosis of diseases of the salivary glands.	2
4	Endoscopic technique for diagnosis and treatment of salivary gland diseases. Hardware.	2
5	Credit	2
	Total	10

**THEMATIC PLAN OF INDEPENDENT WORK OF STUDENTS (IWS)
THEMATIC PLAN INDEPENDENT EXTRACURRICULAR CLASSES CHOICE COURSE
"Modern diagnosis of diseases temporomandibular joint and salivary glands "**

№	Topic	Hours	Types of control
1.	Preparation for practical classes - theoretical training and development of practical skills	5	Current control in practical classes
2.	Independent elaboration of topics that are not included in the plan of classroom classes:		
2.1.	Disk displacement, hypermobility of conv. heads, degenerative diseases snshs		
2.2.	Muscle disorders: myalgia, myofascial pain.		
2.3.	Radiation diagnostics: CT analysis, MRI. Cephalometry, TRG: signs of cranial asymmetries.		
2.4.	Elimination of pain. Features of pharmacotherapy: arthralgia, myalgia	20	Credit
2.5.	Rational prosthetics, cooperation of a dentist - orthopedist and orthodontist. Involvement of specialists in general therapeutic specialties.		
2.6.	Splint therapy: a differentiated approach to the choice of cap depending on the therapeutic goal.		
2.7.	Assessment of postural balance: the effect of compensatory curvatures of the spine on the position of the mandible and occlusion.		
3.	Individual VTS - review of scientific literature, writing essays, conducting research.	4	Credit
4.	Preparation for the final control of mastering the module № 4	6	Credit
	Total	35	

6. Course evaluation system

General course evaluation system

Current control is performed based on the control of theoretical knowledge, skills and abilities in practical classes. Independent study students are assessed in practical classes, and is an integral part of the final grade of the student. Current control is performed during the training sessions and aims at checking the assimilation of students learning the material. Forms of current control are:

- a) test tasks with a choice of one correct answer, with the definition of the correct sequence of actions, with determination of the conformity, defining the specific portion of the photo or diagram ("detection");
- b) individual oral questioning, interview;
- c) the solution of typical situational tasks;
- g) control of practical skills;

Grades on the national scale ("excellent" - 5, "good" - 4, "satisfactory" - 3, "unsatisfactory" - 2), received by students, are displayed in the journals of attendance and academic group performance.

Final control

For disciplines, the form of final control of which is credit: Evaluation of current educational activities. During the assessment of mastering each topic for the current educational activity of the student, grades are set according to a four-point (traditional) assessment scale. This takes into account all types of work provided by the discipline program. The student must receive a grade on each topic (in each lesson on practical training). Scores on the traditional scale are converted into points. The final grade for the current academic activity is recognized as the arithmetic mean (the sum of grades for each lesson is divided by the number of lessons per semester) and translated into points according to Table 1.

Table 1. Conversion of the average grade for current activities in a multi-point scale (for disciplines that end with a credit)

4-ball	200- ball	4-ball	200- ball	4-ball	200- ball	4-ball	200- ball
5	200	4,47	179	3,94	158	3,42	137
4,97	199	4,45	178	3,92	157	3,4	136
4,95	198	4,42	177	3,89	156	3,37	135
4,92	197	4,4	176	3,87	155	3,35	134
4,9	196	4,37	175	3,84	154	3,32	133
4,87	195	4,35	174	3,82	153	3,3	132
4,85	194	4,32	173	3,79	152	3,27	131
4,82	193	4,3	172	3,77	151	3,25	130
4,8	192	4,27	171	3,74	150	3,22	129
4,77	191	4,24	170	3,72	149	3,2	128
4,75	190	4,22	169	3,7	148	3,17	127
4,72	189	4,19	168	3,67	147	3,15	126
4,7	188	4,17	167	3,65	146	3,12	125
4,67	187	4,14	166	3,62	145	3,1	124
4,65	186	4,12	165	3,6	144	3,07	123
4,62	185	4,09	164	3,57	143	3,05	122
4,6	184	4,07	163	3,55	142	3,02	121
4,57	183	4,04	162	3,52	141	3	120
4,55	182	4,02	161	3,5	140	More than 3	Not enou
4,52	181	3,99	160	3,47	139		
4,5	180	3,97	159	3,45	138		

	<p>The maximum number of points that a student can collect for current educational activity during semester is 200 points.</p> <p>The minimum number of points that a student can collect for current educational activity during semester is 120 points.</p> <p>Calculating of the number of points is based on obtained marks of student according to traditional scale while learning subject during the semester, by calculating the arithmetic mean (AM) that is rounded to two signs after comma.</p> <p>Evaluation of independent work of students. Independent work of students, which is provided by the topic of the lesson together with the classroom work, is evaluated during the current control of the topic in the relevant lesson.</p>
Requirements for written work	The final written work is performed in the form of a test.
Practical classes	Classroom work
<i>The 1 semester</i>	
Classroom work - from 2 to 5 points for each topic.	
Amount: minimum 120, maximum 200	
7. Course policy	
<p>The organization of the educational process is carried out with the use of the European Credit Transfer System (ECTS) to assess student performance. The points gained in the current survey, independent work and points of the final control are credited. This must take into account the student's presence in class and his activity during practical work. Inadmissible: absences and late classes; use of a mobile phone, tablet or other mobile devices during the lesson (except for the cases provided by the curriculum and methodical recommendations of the teacher); copying and plagiarism; untimely performance of the task, the presence of unsatisfactory grades for 50% or more of the submitted theoretical and practical material.</p>	
8. RECOMMENDED LITERATURE	
<p>1.Basic:</p> <p>1.Dmitrieva A.A. Local anesthesia in oral and maxilla-facial surgery / A.A.Dmitrieva, A.V. Kuritsyn. –Kharcov, 2010. –24 p.</p> <p>2.Miloro M. Peterson’s Principle of oral and maxillofacial surgery. Second Edition / M. Miloro, G.E. Ghali, P.E. Larsen, P.D. Waite. –Hamilton London, BC Decker Inc, 2004. –1502 p.</p> <p>3.Master dentistry / P. Coulthard, K. Horner PH. Sloan, E Theaker. –Edinburg, London, New York, Philadelphia, St Louis, Toronto, Churchill Livingstone, 2003. –267 p.</p> <p>4.Oral and maxillofacial surgery : textbook / Ed. by prof. V. Malanchuk / part one. –Vinnytsia : Nova Knyha Publishers, 2011. –424 p.</p> <p>5.Oral Surgery / Ed. by Fraiskos D. Fragiskos. –Springer-Verlag Berlin Heidelberg, 2007. –367 p.</p> <p>6.Principle of oral and maxillofacial surgery / Ed. by U.J. Moore. –Blackwell Science, 2001. –276 p.</p> <p>7.Tkachenko P.I. Propaedeutics of surgical stomatology and inflammatory diseases of maxillofacial region / P.I. Tkachenko, A.I. Pankevich, K. Yu.Rezvina. –Poltava, ASMI, 2011. –Part 1. –284 p.</p> <p>8.Wray D. Textbook of general and oral surgery / D. Wray, D. Stenhouse, D. Lee, A. Clark. – Edinburg, London, New York, Philadelphia, St Louis, Toronto, Churchill Livingstone, 2003. –322 p</p> <p>2.Additional:</p> <ul style="list-style-type: none"> • Michael Miloro, G.E. Ghali, Peter E. Larsen, Peter D. Waite. Oral and maxillo-facial surgery, second edition. –BC Decker Inc Hamilton, London. 2004 	

Lector  Krynychko L.R.