

Vinnitsia National Pirogov Medical University
Department of Surgical Dentistry and Maxillofacial Surgery

«APPROVED»

Vice-rector for scientific and pedagogical
(educational) work

Prof. Y.Y. Guminskiy

«27» 08 2020 y.

«AGREED»

Head of the Department of Surgical
Dentistry and Maxillofacial Surgery

Prof. S.M. Shuvalov

«28» 08 2020 y.

SYLLABUS OF THE COURSE

SURGICAL DENTISTRY

training of specialists of the second (master's) level of higher education

qualification of educational "Master of Dentistry"

qualification of professional "Dentist"

areas of knowledge 22 "Health care"

specialty 222 "Dentistry"

2020 – 2021 academic year

1. Course annotation:

Semester (s) - 5 and 6

The volume of the module for the 5th semester: the total number of hours - 75 of them lectures - 8, practical classes - 50, independent work - 17, ECTS credits - 2.5

The volume of the module for the 6th semester: the total number of hours - 90 of them lectures - 8, practical classes - 50, independent work - 32, ECTS credits - 3.0

In the general system of training a dentist, surgical dentistry is one of the main disciplines. The main task of the course of surgical dentistry is to teach students the methods of examination of the patient, diagnosis and treatment of the most common dental surgical diseases, organizational measures for disease prevention. According to the study curriculum, surgical dentistry is carried out in 3, 4, 5 years of study, and includes lectures and practical classes on all forms of surgical pathology of the maxillofacial area. During the analysis of individual diseases should address the issues of pathogenesis, clinical picture, diagnosis, treatment, prevention, medical, social and occupational rehabilitation.

Lectures on surgical dentistry cover problematic issues of etiology and pathogenesis of dental surgical diseases, their clinic, treatment, prevention, taking into account modern advances in medicine, based on the theory of the integrity of the organism and its inseparable connection with the environment.

The organization of the educational process is carried out according to the credit-transfer system. The amount of student workload is described in ECTS credits - credit credits, which are credited to students upon successful completion of the module (credit).

The program of the discipline is structured in 6 modules, which includes three content modules, 1 differential test and 2 exams (including state). The credit transfer system of the educational process encourages students to study systematically during the academic year.

Types of classes according to the curriculum are lectures, practical classes, independent work of students.

The topics of the lecture course reveal the problematic issues of the relevant sections of surgical dentistry.

Practical classes according to the method of their organization are clinical, because they provide:

- Curation of patients with various surgical pathologies of the maxillofacial area (and in their absence in the clinic - analysis of clinical situational tasks or archival case histories): collection of general and professional history, examination;
- Justification of the preliminary diagnosis;
- Drawing up a plan for additional examination of the patient and interpretation of laboratory and auxiliary research methods;
- Carrying out a differential diagnosis and substantiation of a clinical diagnosis;
- Drawing up a scheme of rational treatment;

Assimilation of the topic is controlled in practical classes in accordance with specific objectives, assimilation of content modules - in practical final classes. The following tools are used to diagnose the level of preparation of students: tests, solving situational problems, filling out workbooks, evaluation of clinical and laboratory studies. Interpretation of laboratory tests and interpretation and evaluation of their results, analysis and evaluation of the results of instrumental studies and parameters that characterize the functions of the human body, its systems and organs; control of practical skills.

The final control of mastering the module is carried out after its completion. Assessment of student performance in the discipline is a rating and is set on a multi-point scale and is determined by the ECTS system and the scale adopted in Ukraine.

2. Prerequisites and postrequisites of the discipline

Prerequisite - anatomy, as a fundamental basis of the structure of the dental system; histology as a science of histological structure of facial tissues; biochemistry, microbiology, pharmacology, physiology, pathophysiology, pathological anatomy.

Postrequisite - modern surgical dentistry forms the basis of in-depth study by masters of the following specialized disciplines of clinical profile - therapeutic dentistry, pediatric dentistry, orthopedic dentistry.

3. The purpose of the course: acquisition of theoretical knowledge and practical skills in the diagnosis of occupational diseases in the study of the discipline "surgical dentistry"

4. Learning outcomes of the discipline:

know: clinic, diagnosis, treatment, prevention of surgical diseases of the maxillofacial area

be able to: diagnose surgical disease of the thyroid gland on the basis of a set of survey data

able to demonstrate: knowledge and practical skills in the discipline

have the skills: methods of examination of the patient

decide on one's own: the question of creating a plan for examination of the patient

5. CONTENT OF THE DISCIPLINE

Subjects of practical employment for the students of 3 courses (5 semester)

№	The name of a theme of practical employment	Hours
1.	Classroom work History of formation and organization of surgical stomatological help. History and achieve of the department. Provision, documentation of out- and in-patient dental departments, meeting the structure of maxillo-facial surgery department in clinical hospital.	2
	Home work Organization of the out-patient surgical dental cabinet.	2
2.	Classroom work Methodic of oral cavity, jaws, face and neck evaluation. Aseptics and antiseptics during stomatological interventions on the face and in oral cavity.	2
	Home work Aseptics and antiseptics in surgical stomatology.	2
3.	Classroom work Pain, its components, conductive ways of pain. Meaning of pain in medicine, dentistry.	2
4.	Classroom work Local potentiated anesthesia. General anesthesia.	2
5.	Classroom work Cardio-pulmonary resuscitation in dental surgeon practice.	2
	Home work Intensive therapy and cardio-pulmonary resuscitation in maxillofacial surgery.	2
6.	Classroom work Local anesthetics, their features, side effects. Equipment for local anesthesia.	2
7.	Classroom work Topical and infiltrative anesthesia: indications, technique of conduction, complications, their prevention and treatment.	2
8.	Classroom work Mandibular, buccal, lingual: indications, technique of conduction, complications and their treatment.	2

9.	Classroom work Torsal, mental anesthesia: indications, technique of conduction, complications and their treatment.	2
10.	Classroom work Blockade of motor branches of mandibular nerve: indications, technique of conduction, complications and their treatment.	2
11.	Classroom work Infraorbital anesthesia: types, indications, possible complications, their prevention.	2
12.	Classroom work Tuberosital anesthesia: indications, possible complications, their prevention.	2
13.	Classroom work Incisive and palatine anesthesia: indications, possible complications, their prevention. Operations during this anesthesia.	2
14.	Classroom work Central regional methods of anesthesia of mandible and maxilla together with adjacent tissues.	2
15.	Classroom work Indications and contraindications for tooth extraction, preparation of the patient for the operation. Methodic of tooth extraction.	2
16.	Classroom work Instruments for tooth extraction. Extraction of roots and teeth on maxilla and mandible.	2
17.	Classroom work Complications during tooth extraction: clinic, diagnostics, treatment and prevention.	2
	Home work General complications of local anesthesia.	2
18.	Classroom work Complications after tooth extraction in post-operative period: clinic, diagnostics, treatment and prevention.	2
	Home work Local complications of local anesthesia.	2
19.	Classroom work Diseases of teething. Impacted and semi-impacted teeth. Clinic, diagnostics, treatment and prevention. Pericoronitis: clinic, diagnostics, treatment, complications	2
20.	Classroom work Periodontitis: classification, clinic, diagnostics, prevention. Surgical methods of treatment of periodontitis. Odontogenic granuloma of the face: clinic, treatment.	2
21.	Classroom work Odontogenic periostitis of jaws (acute, chronic): clinic, diagnostics, treatment, complications, physiotherapy.	2
	Home work Physiotherapeutic methods of treatment of dental diseases. Deontology in dentistry.	2
22.	Classroom work Acute and chronic odontogenic osteomyelitis of jaws: etiology, pathogenesis, classification, clinical flow, differential diagnostics prevention, treatment (surgical, medicinal, physiotherapy etc.), complications.	2
	Home work Radiological diagnostics of dental diseases.	2
23.	Classroom work Specific inflammatory processes of maxillo-facial region (actinomycosis and tuberculosis): classification, clinical flow, diagnostics, treatment.	2
	Home work Pathophysiological basis of clinical flow of inflammatory processes of maxillo-facial area.	2
24.	Classroom work Specific inflammatory processes of maxillo-facial region (syphilis): classification, clinical flow, diagnostics, treatment. AIDS: manifestations in oral cavity, classification, clinical flow, diagnostics, treatment.	2
	Home work Pathophysiological basis of treatment of inflammatory processes of maxillo-facial area.	1
25.	Classroom work The credit.	2

	Classroom work	50
	Independent work	17
	Lectures	8
	At all.	75

CONTENT OF THE DISCIPLINE

Subjects of practical employment for the students of 3 courses (6 semester)

№	The name of a theme of practical employment	Hours
1.	Classroom work Mastering the law norms of registration of out-patient case record for a patient with periodontitis, periostitis, pericoronitis, osteomyelitis. Strengthening the skills of writing of outpatient case record (with a subsequent writing of the sample). Prescribing referrals for hospitalization and consultation with related specialists.	2
	Home work History of the department. Achievements of employees (Shuvalov S.M., Barilo O.S., Gorlenko O.V.).	3
2.	Classroom work Classification. Etiology, pathogenesis, pathological anatomy of odontogenic inflammatory processes of maxillofacial area. Clinical picture. General characteristic of abscesses and phlegmones of maxillofacial area. Principles of complex treatment. Prescription of antibacterial drugs, non-steroidal anti-inflammatory drugs, local anesthetics.	2
	Home work Topographic anatomy of MFR. Basic principles of making of dissections in MFR.	3
3.	Classroom work Abscesses and phlegmones of infraorbital area, external nose, lips, eye-hole and palate. Topographical anatomy. Clinic, diagnostics, treatment and prevention. Reading radiographs and CT scans.	2
	Home work Emergencies, principles of care.	4
4.	Classroom work Abscesses and phlegmones of the frontal, occipital, temporal and parietal spaces. Topographical anatomy. Clinic, diagnostics, treatment and prevention.	2
5.	Classroom work Abscesses and phlegmones of the infratemporal space and fossa pterygopalatinum. Topographical anatomy. Clinic, diagnostics, treatment and prevention.	2
6.	Classroom work Abscesses and phlegmones of facial spaces which are located near mandible: the submandibular space and retromandibular space. Topographical anatomy. Clinic, diagnostics, treatment and prevention. Reading radiographs and CT scans.	2
7.	Classroom work Abscesses and phlegmones of facial spaces which are located near mandible: parotido-masseteric region. Topographical anatomy. Clinic, diagnostics, treatment and prevention.	2
8.	Classroom work Abscesses and phlegmones of facial spaces which are located near mandible: pterygomandibular space. Topographical anatomy. Clinic, diagnostics, treatment and prevention.	2
9.	Classroom work Abscesses and phlegmones of facial spaces which are located near mandible: parapharyngeal space. Topographical anatomy. Clinic, diagnostics, treatment and prevention. Reading radiographs and CT scans.	2
10.	Classroom work Abscesses and phlegmones of facial spaces which are located near mandible and maxilla: buccal and zygomatic region. Topographical anatomy. Clinic, diagnostics, treatment and prevention.	2
11.	Classroom work Abscesses and phlegmones of bottom of oral cavity: sublingual space, sublingual fold and submental space. Topographical anatomy. Clinic, diagnostics, treatment and prevention.	2
12.	Classroom work Abscesses and phlegmones of the tongue: body and root of the tongue. Topographical anatomy. Clinic, diagnostics, treatment and prevention.	2
13.	Classroom work	2

	Ludwig's angina. Topographical anatomy. Clinic, diagnostics, treatment and prevention. Reading radiographs and CT scans.	
14.	Classroom work Abscesses and phlegmones of the cervical fascial spaces. Topographical anatomy. Clinical findings. Treatment and prevention. Reading radiographs and CT scans.	2
15.	Classroom work Lymphadenitis, lymphangitis of maxillofacial area and neck. Clinical findings, diagnostics, treatment, prevention. Adenophlegmone of maxillofacial area and neck. Clinical findings, diagnostics, treatment, prevention.	2
	Home work Manifestations of lymphadenitis of MFR in specific diseases: tuberculosis, actinomycosis, syphilis, AIDS.	3
16.	Classroom work Complications of inflammatory processes of maxillofacial area: thrombophlebitis of facial veins and brain vessels. Brain abscess, cavernous sinus thrombosis. Sepsis, mediastinitis, pneumonia. Clinical findings, diagnostics, treatment.	2
	Home work Additional research methods in MFR at inflammatory processes. Study of blood tests, immunograms.	4
17.	Classroom work Etiologic and pathogenetic principles of general treatment of odontogenic inflammatory processes of face and neck. Intensive therapy. Applying the secondary stitches, cosmetic aspects. Prescription of antibacterial drugs, non-steroidal anti-inflammatory drugs, local anesthetics.	2
	Home work General, local anesthesia of MFR: features of carrying out, complications and methods of their elimination.	3
18.	Classroom work Odontogenic inflammation of the maxillary sinus. Perforation of the maxillary sinus and oroantral communications. Etiology, pathogenesis, clinical findings, diagnostics and treatment. Radiologic findings of acute and chronic odontogenic inflammatory processes of maxillofacial area. Reading radiographs and CT scans.	2
19.	Classroom work Furuncle, carbuncle in the region of face and neck. Etiology, pathogenesis, clinical findings, diagnostics and treatment.	2
20.	Classroom work Infectious diseases of maxillofacial area: diphtheria, sibirian ulcer, erysipelas, noma. Their manifestations in the oral cavity. Etiology, pathogenesis, clinical findings, diagnostics and treatment. Prescribing referrals for hospitalization and consultation with related specialists.	2
	Home work Modern drug therapy for inflammatory diseases of MFR.	3
21.	Classroom work Inflammation of salivary glands (sialadenitis). Etiology, pathogenesis. Clinical findings, diagnostics and treatment. Calculous disease. Etiology, pathogenesis, clinical findings, diagnostics and treatment.	2
	Home work Modern methods of research of salivary glands.	3
22.	Classroom work Reactive dystrophic changes of salivary glands (sialosis). Etiology, pathogenesis, clinical findings, diagnostics and treatment.	2
	Home work Systemic diseases of the salivary glands.	3
23.	Classroom work Diseases of temporo-mandibular joint: TMJ dysfunction, painful syndrome. Etiology, clinical findings, diagnostics and treatment. Dystrophic diseases of temporo-mandibular joint: arthrosis, osteoarthritis, contraction of jaws. Etiology, clinical findings, diagnostics and treatment.	2
	Home work Normal and pathological anatomy of the TMJ. Modern methods of diagnosis and treatment of TMJ diseases.	3

24.	Classroom work The credit	2
25.	Classroom work Differential control.	2
	Classroom work	50
	Independent work	32
	Lectures	8
	At all.	90

Topic of lectures for stomatological faculty (5 semestr)

№	Topic of lectures	Duration	Lector
1	History of surgical dentistry and maxillo-facial surgery. The definition of surgical stomatology. The purpose and problems of surgical stomatology. Examination of stomatologic patient in the clinic of surgical stomatology. Preparation of the patient to the operation.	2,0	Prof. Shuvalov S.M
2	Anesthesia in dental surgery. Local and general anesthesia. Indications and contraindications, principles of premedication, neuroleptanalgesia. Complications of local and general anesthesia, their treatment and prevention. Foundations of cardio-pulmonary resuscitation.	2,0	Prof. Shuvalov S.M
3	Tooth extraction: instruments, indications and contraindications, preparation of the patient. Complications during tooth extraction and in post-operative period, their treatment and prevention.	2,0	Prof. Shuvalov S.M
4.	Classification of inflammatory diseases of maxillo-facial region. Etiology, pathogenesis, clinical flow, complications, prevention of periodontitis, odontogenic granuloma of face, impacted and semi-impacted teeth, pericoronitis, odontogenic periostitis, osteomyelitis of jaws.	2,0	Prof. Shuvalov S.M

Topic of lectures for stomatological faculty (6 semestr)

№	Topic of lectures	Duration	Lector
1	Abscesses and phlegmones of maxillo-facial area. Etiology, pathogenesis, topography of different areas of the face and neck, clinical symptoms, treatment, prevention.	2,0	Prof. Shuvalov S.M
2	Nonodontogenic inflammatory processes of soft tissues in maxillo-facial area: phuruncle, carbuncle, noma, sibirian ulcer, erysipelas. Clinical symptoms, diagnostics, treatment and prevention. Complications of odontogenic and nonodontogenic inflammatory processes of maxillo-facial area: mediastenitis, sepsis, thrombosis of facial vessels and the sinus cavernosus, meningitis.	2,0	Prof. Shuvalov S.M
3	Odontogenic maxillary sinusitis. Perforation of the maxillary sinus. Oro-antral communications. Clinical symptoms, diagnostics, treatment, prevention.	2,0	Prof. Shuvalov S.M
4.	Dystrophic and inflammatory diseases of salivary glands. Calculous disease. Classification. Etiology, pathogenesis, clinical symptoms, treatment, prevention.	2,0	Prof. Shuvalov S.M

List of topics for independent work of students (5 semestr) 3 courses in the study of surgical dentistry

Name topics	Number of hours
Organization of the out-patient surgical dental cabinet.	2
Aseptics and antiseptics in surgical stomatology.	2
General complications of local anesthesia.	2
Local complications of local anesthesia.	2
Intensive therapy and cardio-pulmonary resuscitation in maxillofacial surgery.	2
Radiological diagnostics of dental diseases.	2
Pathophysiological basis of clinical flow of inflammatory processes of maxillo-facial area.	2

Pathophysiological basis of treatment of inflammatory processes of maxillo-facial area.	2
Physiotherapeutic methods of treatment of dental diseases. Deontology in dentistry.	1
At all	17

**List of topics for independent work of students (6 semestr)
3 courses in the study of surgical dentistry**

Name topics	Number of hours
General, local anesthesia of MFR: features of carrying out, complications and methods of their elimination.	3
Emergencies, principles of care.	4
Topographic anatomy of MFR. Basic principles of making of dissections in MFR.	3
Manifestations of lymphadenitis of MFR in specific diseases: tuberculosis, actinomycosis, syphilis, AIDS.	3
Additional research methods in MFR at inflammatory processes. Study of blood tests, immunograms.	4
Modern drug therapy for inflammatory diseases of MFR.	3
Systemic diseases of the salivary glands.	3
Modern methods of research of salivary glands.	3
Normal and pathological anatomy of the TMJ. Modern methods of diagnosis and treatment of TMJ diseases.	3
History of the department. Achievements of employees (Shuvalov S.M., Barilo O.S., Gorlenko O.V.).	3
At all	32

**List of questions for the final control in the discipline of "surgical dentistry"
for 3rd year students of the dental faculty (5 semestr)**

1. The main stages of development of maxillofacial surgery.
2. Organization of maxillofacial surgical department (out-patient and in-patient department).
3. Organization of maxillofacial surgeon's work in out-patient department. Documentation.
4. Organization of maxillofacial surgeon's work in in-patient department. Documentation.
5. Aseptic techniques during the operations on face and in oral cavity. Preparation of surgeon's hands to the operation.
6. Aseptic and antiseptic components of HIV-infection and viral hepatitis prevention in out-patient and in-patient department.
7. Evaluation of surgical dentistry patient: main methods.
8. Evaluation of surgical dentistry patient: additional methods. Methods of evaluation of salivary glands.
9. Methods of general anesthesia in surgical dentistry. Premedication in out-patient operations, motivation of premedication.
10. Types of local anesthesia. Classification, general characteristic.
11. Indications and contraindications for local anesthesia in maxillofacial area.
12. Choice of local anesthesia and preparation for the operation in maxillofacial area in patients with general diseases (diseases of heart, lungs, liver and kidneys, endocrine system) and some physical states (pregnancy).
13. Prolongation of local anesthetic effect. Vasoconstrictors. Doses. Prescription. Adrenaline intoxication.
14. Preparations used for local anesthesia in surgical dentistry. General characteristic, indications, contraindications. Doses. Prescription. Modern local anesthetics: effect, advantages, disadvantages.
15. Preparations used for general anesthesia in surgical dentistry. General characteristic, indications, contraindications, doses.
16. Techniques of topical and infiltration anesthesia. Anatomical considerations.
17. Regional anesthesia on maxilla (infraorbital anesthesia). Zone (area) of anesthesia. Technique.
18. Regional anesthesia on maxilla (tuberal anesthesia). Zone (area) of anesthesia. Technique.
19. Regional anesthesia on maxilla (incisive anesthesia). Zone (area) of anesthesia. Technique.
20. Regional anesthesia on maxilla (palatal anesthesia). Zone (area) of anesthesia. Technique.
21. Regional anesthesia on mandible (torus anesthesia according to Weisbrem M.M.). Zone (area) of anesthesia. Technique.
22. Regional anesthesia on mandible (mandibular anesthesia). Zone (area) of anesthesia. Technique.
23. Regional anesthesia on mandible (mental anesthesia). Zone (area) of anesthesia. Technique.
24. Technique of anesthesia of lingual and buccal nerves. Anatomical considerations. Zone (area) of anesthesia.

25. Blockade of motor branches of mandibular nerve (anesthesia by Bercher-Dubov-Uvarov). Anatomical considerations. Zone (area) of anesthesia. Indications. Technique.
26. Anesthesia of the 2nd trigeminal nerve branch on the base of the skull. Zone of innervations, indications, technique, prevention of complications.
27. Anesthesia of the 3rd trigeminal nerve branch on the base of the skull. Zone of innervations, indications, technique, prevention of complications.
28. Fainting, collapse, shock. Clinical findings. Treatment in out-patient department.
29. Allergic reactions by use of local anesthesia. Pathogenesis, clinical findings, treatment, prevention.
30. Local complications of local anesthesia in surgical dentistry. Clinical findings, treatment, prevention.
31. Reanimation measures during operations in out-patient and in-patient department.
32. Indications and contraindications for operation of tooth extraction.
33. Instruments for teeth and roots extraction on maxilla. Features of extraction of different teeth and roots on maxilla.
34. Instruments for teeth and roots extraction on mandible. Features of extraction of different teeth and roots on mandible.
35. Operation of tooth extraction: stages, doctor's and patient's position. Instruments, their application.
36. Use of elevators. Features of extraction of different teeth and roots on mandible and maxilla.
37. Features of extraction of impacted and half-impacted teeth on maxilla and mandible. Indications, contraindications, technique, complications.
38. Wound healing after tooth extraction. Management of wound after tooth extraction.
39. Diseases of teething (pericoronitis). Etiology. Pathogenesis. Clinical findings. Diagnostics. Treatment. Complications.
40. Diseases of teething (dystopia, impacted and half-impacted teeth). Etiology. Pathogenesis. Clinical findings. Diagnostics. Treatment. Complications.
41. Local complications during tooth extraction.
42. Local complications after tooth extraction.
43. Dry socket (alveolitis). Clinical findings. Diagnostics. Differential diagnostics. Treatment. Prevention.
44. Local osteomyelitis of alveolar socket. Clinical findings. Diagnostics. Differential diagnostics. Treatment. Prevention.
45. Sharp margins of alveolar socket. Exposure of part of the socket. Clinical findings. Diagnostics. Differential diagnostics. Treatment. Prevention.

**List of questions for the final control in the discipline of "surgical dentistry"
for 3rd year students of the dental faculty (6 semestr)**

1. Acute periodontitis. Classification. Clinical findings. Diagnostics. Differential diagnosis. Treatment.
2. Chronic periodontitis. Classification. Pathological anatomy. Clinical findings. Diagnostics. Differential diagnosis. Treatment.
3. Differential diagnosis of acute purulent periodontitis, periostitis, osteomyelitis of the jaws.
4. Surgical methods of treatment of acute periodontitis. Classification. Indications. Technique. Complications.
5. Operation of apexectomy. Indications. Contraindications. Technique. Complications.
6. Crown-radicular separation, hemisection, amputation of tooth root. Indications. Contraindications. Technique. Complications.
7. Replantation of teeth. Classification. Indications. Contraindications. Technique. Complications.
8. Acute and chronic periostitis of the jaws. Etiology. Pathogenesis. Patological anatomy. Classification. Clinical findings. Diagnostics. Differential diagnostics. Treatment. Complications. Prognosis.
9. Acute odontogenic osteomyelitis of the jaws. Patological anatomy. Clinical findings. Diagnostics. Differential diagnostics. Treatment. Complications. Prognosis.
10. Chronic odontogenic osteomyelitis of the jaws. Patological anatomy. Clinical findings. Diagnostics. Differential diagnostics. Treatment. Complications. Prognosis.
11. Acute and chronic lymphadenitis and lymphangitis of face and neck. Etiology. Pathogenesis. Clinical findings. Differential diagnostics. Treatment. Prognosis.
12. Phlegmones and abscesses of face and neck. Clasiffication. Etiology. Pathogenesis. Ways of infection spreadening. General clinical characteristic.
13. Adenophlegmone of face and neck. Etiology. Pathogenesis. Clinical findings. Differential diagnostics. Treatment. Prognosis.
14. Phlegmone and abscess of the pterygomandibular space. Etiology. Topography. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
15. Phlegmone and abscess of the temporal space. Etiology. Topography. Classification. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.

16. Phlegmone and abscess of infratemporal fossa and fossa pterygopalatinum. Etiology. Topography. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
17. Phlegmone and abscess of the parotideo-masseteric space. Etiology. Topography. Classification. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
18. Phlegmone and abscess of the parapharyngeal space. Etiology. Topography. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
19. Phlegmone and abscess of bottom of oral cavity (upper part: sublingual area). Etiology. Topography. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
20. Phlegmone and abscess of bottom of oral cavity (lower part: submental and submandibular area). Etiology. Topography. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
21. Necrotic phlegmone of bottom of oral cavity. (Ludwig's angina). Etiology. Topography. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
22. Phlegmone and abscess of eyehole. Etiology. Topography. Classification. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
23. Phlegmone and abscess of infraorbital space. Etiology. Topography. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
24. Phlegmone and abscess of zygomatic area. Etiology. Topography. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
25. Phlegmone and abscess of buccal area. Etiology. Topography. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
26. Phlegmone and abscess of the retromandibular space. Etiology. Topography. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
27. Phlegmone and abscess of the submandibular space. Etiology. Topography. Clinical findings. Differential diagnostics. Surgical treatment. Prognosis.
28. Intracranial complications of inflammatory processes of maxillofacial area. Etiology. Pathogenesis. Clinical findings. Differential diagnostics. Treatment. Prevention. Prognosis.
29. Odontogenic mediastinitis. Etiology. Pathogenesis. Clinical findings. Patological anatomy. Differential diagnostics. Treatment. Prevention. Prognosis.
30. Acute odontogenic sepsis. Etiology. Pathogenesis. Clinical findings. Differential diagnostics. Treatment. Prevention. Prognosis.
31. Acute and chronic odontogenic inflammation of the maxillary sinus. Etiology. Pathogenesis. Clinical findings. Differential diagnostics. Treatment. Complications. Prognosis.
32. Phuruncle, carbuncle of face and neck. Etiology. Pathogenesis. Clinical findings. Differential diagnostics. Treatment. Complications. Prognosis.
33. Erysipelas of face and neck. Etiology. Pathogenesis. Clinical findings. Differential diagnostics. Treatment. Complications. Prognosis.
34. Siberian ulcer of face and neck. Etiology. Pathogenesis. Classification. Clinical findings. Differential diagnostics. Treatment. Complications. Prognosis.
35. Noma. Signs of noma on face and in the oral cavity. Etiology. Pathogenesis. Clinical findings. Differential diagnostics. Treatment. Complications. Prognosis.
36. HIV-infection. Signs of HIV-infection in the oral cavity. Clinical findings. Differential diagnostics. Treatment. Complications. Prevention of infection.
37. Diphtheria. Signs of diphtheria in the oral cavity. Etiology. Pathogenesis. Clinical findings. Differential diagnostics. Treatment. Complications. Prognosis.
38. Actinomycosis of maxillofacial area. Classification. Etiology. Pathogenesis. Clinical findings. Pathological anatomy. Diagnostics. Differential diagnostics. Treatment. Prognosis.
39. Syphilis of maxillofacial area. Etiology. Pathogenesis. Clinical findings. Pathological anatomy. Diagnostics. Differential diagnostics. Treatment. Prognosis.
40. Tuberculosis of maxillofacial area. Classification. Etiology. Pathogenesis. Clinical findings. Patological anatomy. Diagnostics. Differential diagnostics. Treatment. Prognosis.
41. Acute inflammation of salivary glands (sialoadenitis). Etiology. Pathogenesis. Clinical findings (enumerate main symptoms). Patological anatomy. Diagnostics. Differential diagnostics. Treatment. Prognosis.
42. Chronic parenhimatose sialadenitis. Etiology. Pathogenesis. Classification. Clinical findings. Patological anatomy. Diagnostics. Differential diagnostics. Treatment. Prognosis.
43. Chronic interstitial sialadenitis. Etiology. Pathogenesis. Classification. Clinical findings. Patological anatomy. Diagnostics. Differential diagnostics. Treatment. Prognosis.
44. Sjogren and Mikulich syndrome and disease. Etiology. Pathogenesis. Clinical findings. Patological anatomy. Diagnostics. Differential diagnostics. Treatment. Prognosis.
45. Calculous disease of salivary glands. Etiology. Pathogenesis. Clinical findings. Patological anatomy. Diagnostics. Differential diagnostics. Treatment. Prognosis.

6. **Types of training sessions:** lecture, video lecture, practical lesson, consultation.
7. **Form of study:** full-time education.
8. **Methods of study:** verbal, explanatory and demonstration.
9. **Control methods:** oral, written, test.
10. **Forms of final control:** final control (exam, differential control and credit)
11. **Tools for diagnosing learning success:** questions for current control, tasks, tests.
12. **Language of instruction:** english.

13. Value system of student's academic performance in surgical dentistry

Topic	Maximum of scores
Intensional module	$4 \times 20 = 80$
Individual task	-
Credit	120
General	200

notes: „5” – 20 scores, „4” – 17 scores, „3” – 13 scores, „2” – 0 scores.

General estimation criteria of finale module control

Final test control – 20 questions (20 minets). Every true answer – 2 scores.

Criteria of estimation for discipline (subject):

„5”A – 180-200 scores, „4”B – 170-179 scores, „4”C – 160-169 scores, „3”D – 141-159 scores, „3”E – 122-140 scores, „2”FX – 72-121 scores, „2”F – 1-71 scores

Compliance with the scales for assessing the quality of learning material

The grade in the discipline "Surgical Dentistry" is set on a 200-point scale and is defined as the sum of grades of current educational activities in points (maximum number of points - 80) and grades of final control (maximum number of points - 120). **Credits are credited for the studied discipline provided that the student accumulates 122 points** (which corresponds to the minimum value of the E grade on the ECTS Scale).

Assessment of knowledge in the discipline is carried out taking into account the relevant scales:

Score in points	Score on a national scale	ECTS Scale	
		Score	Explanation
180 – 200	Perfectly	A	Perfectly (excellent performance with only a small number of inaccuracies)
170 – 179	Good	B	Very good (above average with a few minor errors)
160 – 169		C	Good (generally correct execution with a small number of significant errors)
141 – 159	Satisfactorily	D	Satisfactorily (not bad, but with a significant number of shortcomings)
122 – 140		E	Enough (performance meets minimum criteria)
	Unsatisfactorily	FX	Unsatisfactorily (with the possibility

			of re-assembly)
		F	Unsatisfactorily (with mandatory re-study of the discipline)

Upon receiving an unsatisfactory grade in the discipline within 72-121 points (FX), the student has the right to retake it: once to the departmental commission with the participation of the head of the department, the last time - the commission with the participation of the head of the department and the dean's office.

Upon receiving an unsatisfactory grade in the discipline within 1-71 points (F), the student is obliged to re-study it. The decision is made by the management of NМУ in accordance with the regulations approved in the prescribed manner.

14. Course policy

The policy of the course is carried out according to the Law "On Higher Education" from 01.07.2014 № 1556-VII; Charter of VNMU. M.I. Pirogov, Rules of Procedure of VNMU, Regulations on the organization of the educational process in VNMU. M.I. Pirogov, the Code of Academic Integrity, Security Regulations on the procedure for training and testing of knowledge

15. List of educational and methodical literature

1. Peterson's Principles Of Oral & Maxillofacial Surgery, Third Edition - 2 Vol. Set (Hb) 2011
2. Atlas of Oral and Maxillofacial Surgery (Deepak Kademani, Paul Tiwana) 2015
3. Contemporary Oral and Maxillofacial Surgery (James R. Hupp DMD MD JD MBA, Myron R. Tucker DDS, Edward Ellis III DDS MS) 2018
4. Oral and Maxillofacial Surgery Review: A Study Guide (Perfect for Board Review) (Inglés) Tapa blanda – 9 Julio 2015 (Din Lam, Daniel Laskin)
5. Oral and Maxillofacial Surgery Secrets (A. Omar Abubaker DMD PhD, Din Lam DMD MD) 2015
6. Oral Surgery for Dental Students: A Quick Reference Guide 1st Edition, (Jeffrey A. Elo, Alan S. Herford) 2019
7. Surgical Approaches to the Facial Skeleton (Edward Ellis III DDS, Michael F. Zide DDS) 2018

Information resources

Website of the department –

<http://www.vnmdu.edu.ua/%D0%BA%D0%B0%D1%84%D0%B5%D0%B4%D1%80%D0%B0-%D1%85%D1%96%D1%80%D1%83%D1%80%D0%B3%D1%96%D1%87%D0%BD%D0%BE%D1%97-%D1%81%D1%82%D0%BE%D0%BC%D0%B0%D1%82%D0%BE%D0%BB%D0%BE%D0%B3%D1%96%D1%97>

Library website – <http://library.vsmu.edu.ua/>

Email address of departments – surg.stom@vnmdu.edu.ua

Discussed and recommended at a meeting of the Department of Surgical Dentistry and Maxillofacial Surgery VNMU. M.I. Pirogov Protocol № 1 dated 27 August 2020

Head of the Department of Surgical Dentistry Shuvalov S.M. signature surname and initials
and maxillofacial surgery

Lecturer of the Department of Surgical Dentistry Polishchuk S. S. signature surname and initials
and maxillofacial surgery