

DISCIPLINE SYLLABUS

«REFLEXOTHERAPY IN DENTISTRY»

2023-2024 academic year

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| Course Name | « Reflexotherapy in dentistry » (discipline of choice) |
| Course Teaching Address | Lviv, Pekarska str., 69 |
| Faculty and department, to which discipline is assigned | DENTISTRY, Department of Neurology |
| Field of knowledge, cipher and name of the specialty | 22 Healthcare, 221 Dentistry |
| Teacher (s) | Maryenko L.B., D.Sc., prof. Bozhenko N.L., PhD, assoc. prof. Malyarska N.V., PhD, assoc. prof. Vivchar R.Y., ass. prof. |
| Teacher's contact information (s) | Nataliya Malyarska n.malyarska@gmail.com |
| Consultations on the course take place | According to the consultation schedule |
| Course Page | |

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| Course Information | <p>Discipline "Reflexotherapy in dentistry» (discipline of choice) is intended for masters of field of knowledge - 22 Healthcare, specialty 221 "Dentistry". The discipline belongs to the normative disciplines and provides participants with the necessary competence on reflexotherapy in dentistry. The purpose of teaching the discipline "Reflexotherapy in Dentistry" is to improve student's knowledge about the main theoretical and methodical aspects of reflexotherapy, the ability to identify the fundamental concepts of reflexotherapy as a clinical discipline, to cover the practical aspects of reflexotherapy, ways and methods of using its achievements in clinical dentistry, as well as acquiring practical skills in using it in clinical conditions.</p> |
| Short course abstract | <p>The discipline "Reflexotherapy in Dentistry" (discipline of choice) is a normative discipline that is taught in the X semester and 5th year of training in the amount of 5.0 credits (according to the European Credit transfer system, ECTS). The curriculum provides 40 hours of classroom classes (40 hours of practical) and 110 hours of independent work.</p> <p>The program of the discipline consists of the following sections:</p> <ol style="list-style-type: none"> 1. General reflexotherapy. 2. Special reflexotherapy. <p>The first section examines the methods of complementary medicine, the definition of reflexotherapy, its role and place in modern medicine; reflexotherapy mechanisms from the standpoint of autonomic nervous system and reflex theory; about reorganization of the vegetative nervous system, a study of vegetative tone, autonomic reactivity; anatomical and physiological data, symptoms, research methodology V, VII, XX - XII pairs of cranial</p> |

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| | <p>nerves; about the nociceptive and anti-nociceptive systems. The specifics of punctual reflexotherapy (PRT) are studied, like the acupuncture points); three main components of the PRT: place of action, reception (quantitative and qualitative characteristics), moment of action (time parameters and taking into account the activity of organs and systems). Indications and contraindications to the use of punctual reflexotherapy methods in dentistry and general principles of acupuncture diagnostics: survey, review, palpation, etc.</p> <p>The second section deals with surface multi-needle acupuncture, its types, mechanisms of therapeutic action, indications and contraindications; laser therapy and laser puncture; electroreflexotherapy: through skin electroneurostimulation (ENS) and electromyostimulation, therapeutic effects and methods of application. (systems of trigeminal, facial, glossopharyngeal, vagus nerves); anesthesia of autonomic prozopalgias of the maxillary-facial area; anesthesia of oral pain syndromes (stomatitis, glossitis, pulpitis and, parodontitis, galvanism); various forms of migraine; temporal-lower hip syndrome, etc. General provisions of manual reflexotherapy, indications, and contraindications to manual therapy and algorithms for muscle correction and postisometric muscle relaxation in neurostomatological and dental diseases are also interpreted. Diagnosis and use of reflexotherapy in medical assistance and emergency (collapsing, fainting and so, vegetative-vascular crises, etc.).</p> |
| <p>The purpose and objectives of the course</p> | <p>The purpose and objective of the discipline "Reflexotherapy in Dentistry" (discipline of choice) is to improve students' knowledge about the main theoretical and methodical aspects of reflexotherapy, the ability to identify key concepts of reflexotherapy as a clinical discipline, to cover the practical aspects of reflexotherapy, ways and methods of using its achievements in clinical dentistry, to indicate the indications and contraindications of the reflexotherapy in dentistry, to prescribe the optimal method in prozopalgia and other dental and neuro stomatological diseases. Students should also master the method of neurological status examination, understand the main indicators for additional research methods in neurological and dental clinics (X-ray, computer-tomographic, electrophysiological, biochemical, etc.) and master simple ways of reflexotherapy (punctual and manual).</p> |

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| <p>Course duration</p> | <p>150 hours</p> |
| <p>Course scope</p> | <p>Practical classes – 40 hours ISW – 110 hours</p> |
| <p>Expected learning outcomes</p> | <p>The study of the discipline "Reflexotherapy in dentistry" (discipline by choice) provides the following program learning results:</p> <p>Knowledge: the peculiarities of questioning patients about the general condition and; interviewing a patient with non-typical pathology; assess the condition of the organs and tissues of the maxillary-facial area of the patient; with standard methods of functional, instrumental examination and laboratory tests in dental practice and to demonstrate knowledge on systematization and reflexology diagnostics; neurostomatological diseases, oral system lesions, principles of differential diagnosis of neurological and dental diseases; clinical, additional examination; to indicate indications and contraindications to reflexotherapy and to form an algorithm for the use of reflexotherapy (punctual, manual, etc.); reflexotherapy (hypertensive crisis, collapsing, fainting, etc.) and treatment in emergency conditions; on the main theoretical and methodical aspects of manual reflexology, pharmacological therapy and rehabilitation of neurostomatological and dental patients.</p> |

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| | <p>Ability: to get information about the general condition of the patient, to evaluate the psychophysical development of the patient, the condition of the organs of the maxillar-facial area; to use the results of laboratory and instrumental studies to evaluate information on the diagnosis (general biochemical bloodtest; analysis of blood glucose content; general urine analysis; immunological examination in dental diseases; interpretation of radiation diagnostics of the skull, dental radiography, salivary glands, etc.). Be able to carry out the patient'scuration, use diagnostic algorithm, interpret symptoms, conduct differential diagnoses, and establish a preliminary, clinical, definitive, and final diagnosis. To determine the approach, plan, type and principle of reflex treatment of neuro stomatological and dental disease by making an informed decision according to existing algorithms and standards. To be able to use the basic rules for the choice and conduct of manual reflexotherapy in clinical practice. To demonstrate possession of simple ways of reflex therapy (point and segmental massage, manual reflexotherapy, through skin and electro-neurostimulation and electromyostimulation, point reflexology, muscle relaxation, etc.). To target preventive measures for neuro stomatological and dental diseases. To diagnose emergency conditions under any circumstances (hypertensive crisis, collapsing, fainting, etc.) and the ability to provide emergency medical care. To distinguish the necessary mode of work and rest in treating neuro stomatological and dental diseases and to use medical and psychological rehabilitation methods.</p> <p>Communication : Ability to effectively form communication into a strategy in professional activity. To acquire interpersonal interaction skills in a team. Acquire the skills of establishing psychological contact with patients and their relatives. Ability to communicate in the state language. Establish and maintain professional relationships to achieve goals. Ability to adapt and act in a new situation. Ability to search, process and analyze information from different sources. It is reasonable to prescribe reflexotherapy with neuro stomatological and dental diseases to be able to explain their appointment to patients, specialists and non-professionals in the industry (patients and their relatives). The ability to bring to patients and specialists conclusions about the necessary mode of work and rest in the treatment and preventing these diseases of the maxillar-facial area. Adhere to the rules of medical deontology and maintain a positive attitude to the patient during rehabilitation treatment. Use the local press for publications on reflexotherapy to strengthen health and improve the environment, use radio, television, lectures and interviews.</p> <p>Autonomy and responsibility: To be responsible for: making informed decisions in complex situations; continuous professional development with a high level of autonomy; perseverance regarding the tasks and responsibilities taken. Be responsible for making informed decisions and actions regarding the correctness of the established preliminary clinical diagnosis of the disease, the appointment of examination methods. Be responsible for the development of professional skills in reflexotherapy; for the quality of medical manipulations, the correctness of the determination of the emergency condition, the degree of its severity, and tactics for the provision of emergency medical care. Ability to act socially, responsibly and consciously; to get a healthy lifestyle, to use the methods of self-regulation and self-control. Preserve and increase moral, cultural, scientific and scientific achievements of society.</p> |
| Keywords | Reflexotherapy, dentistry, acupuncture and point, acupuncture and meridian, pro-sopalgia, manual reflexotherapy. |
| Course format | Full-time |
| Theme | APPLICATION (with discipline «Reflexotherapy in dentistry») |
| Final control, form | Test |
| Prerequisites | <p>«Reflexotherapy in dentistry » as an academic discipline:</p> <p>a) is based on students' study of human anatomy, medical biology, medical chemistry, medical physics, physiology, pathophysiology, hygiene and ecology, pharmacology, propylactic and internal medicine, neurology, dentistry, neurosurgery and integrates with these disciplines;</p> <p>b) ensures consistency and relationship with internal medicine, neurology, dentistry, pediatric</p> |

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| | <p>subjects of the curriculum, which involves the integration of teaching with these disciplines for the formation of skills in the use of knowledge in reflexotherapy in the process of further education and professional activities;</p> <p>(k) teaches the use of reflexotherapy and other physical factors in medical practice to prevent and faster restoration of health, quality of life, and performance in patients of neuro stomatological profile.</p> | | |
| <p>Teaching methods and techniques to be used in teaching the course</p> | <p>Practical classes, illustrations, demonstration of methods of reflexotherapy; discussion, explanation, oral survey; solution of tests and clinical problems; modeling of practical tasks; possession of simple ways of reflexotherapy; individual tasks.</p> | | |
| <p>Required equipment</p> | <p>Computers, projectors; tables, diagrams, models; neurological tools; set of acupuncture needles and hammers; guidelines, and non-scientific materials for extra-auditory independent work on topics.</p> | | |
| <p>Evaluation criteria (separately for each type of educational activity)</p> | <p>The assessment is carried out on a 200-point scale.</p> <p>The current control of students' knowledge is carried out at each practical lesson in accordance with the specific goals of the topic, during the individual work of the teacher with the student for the purpose that the student processes independently and that are not included in the structure of the practical lesson. The final score for current academic activity is defined as the arithmetic average of traditional control tests for each lesson and is listed on a multi-point scale.</p> <p>The form of final control of the success of training: the form of final control in the discipline is carried out at the last practical lesson. Students who have attended all the educational classes provided in the curriculum in the discipline and scored the minimum number of points (not less than 70% of the total score responsible for the national scale "3") are allowed to the test, the student who, for a good reason, has skipped classes, is allowed to work out academic debt up to a certain period established by the Faculty. The test package is being solved, which includes the basic test tasks "Step-2" in at least 70% of the total score. Value of the results of the discipline is carried out during the test. Points for current success are summed.</p> <p>Rating "5" - 200-170 points; Rating "4" - 169-140 points; Rating "3" - 139-120 points.</p> <p><i>Evaluation of independent work:</i></p> <p>Assessment of students' independent work, which is provided in the topic along with classroom work, is carried out during the current control of the topic at the appropriate classroom.</p> | | |
| | <p>Literature for the study of discipline:</p> <table border="1"> <tr> <td> <p>Literature for the study of discipline</p> </td> <td> <p><u>Main (basic) literature:</u></p> <ol style="list-style-type: none"> 1. Neurology with neurostomatology : training. manual / by ed.L.I. Sokolovskiy. - M.: VSV "Medicine", 2018.- 126 p. 2. Reflexotherapy: textbook / [Sviridova N.K., Morozova O.G., Chupryna O.G.] per ed.. - K.: LLC SIKGROUP Ukraine, 2017. - 126 p. 3. N.K. Sviridova, O.G. Morozova.- K. : LLC SIKGROUP Ukraine, 2017. - 126 p. 4. Reflexotherapy: textbook / [Sviridova N.K., Morozova O.G., Chupryna O.G.] per ed.. - K.: LLC SIKGROUP Ukraine, 2017. - T. 2.- 205 p. 5. Reflexotherapy: textbook / [Sviridova N.K., Morozova O.G., Chupryna O.G.] per ed.. - K.: LLC SIKGROUP Ukraine, 2017. - 126 p. <p><u>Additional literature:</u></p> </td> </tr> </table> | <p>Literature for the study of discipline</p> | <p><u>Main (basic) literature:</u></p> <ol style="list-style-type: none"> 1. Neurology with neurostomatology : training. manual / by ed.L.I. Sokolovskiy. - M.: VSV "Medicine", 2018.- 126 p. 2. Reflexotherapy: textbook / [Sviridova N.K., Morozova O.G., Chupryna O.G.] per ed.. - K.: LLC SIKGROUP Ukraine, 2017. - 126 p. 3. N.K. Sviridova, O.G. Morozova.- K. : LLC SIKGROUP Ukraine, 2017. - 126 p. 4. Reflexotherapy: textbook / [Sviridova N.K., Morozova O.G., Chupryna O.G.] per ed.. - K.: LLC SIKGROUP Ukraine, 2017. - T. 2.- 205 p. 5. Reflexotherapy: textbook / [Sviridova N.K., Morozova O.G., Chupryna O.G.] per ed.. - K.: LLC SIKGROUP Ukraine, 2017. - 126 p. <p><u>Additional literature:</u></p> |
| <p>Literature for the study of discipline</p> | <p><u>Main (basic) literature:</u></p> <ol style="list-style-type: none"> 1. Neurology with neurostomatology : training. manual / by ed.L.I. Sokolovskiy. - M.: VSV "Medicine", 2018.- 126 p. 2. Reflexotherapy: textbook / [Sviridova N.K., Morozova O.G., Chupryna O.G.] per ed.. - K.: LLC SIKGROUP Ukraine, 2017. - 126 p. 3. N.K. Sviridova, O.G. Morozova.- K. : LLC SIKGROUP Ukraine, 2017. - 126 p. 4. Reflexotherapy: textbook / [Sviridova N.K., Morozova O.G., Chupryna O.G.] per ed.. - K.: LLC SIKGROUP Ukraine, 2017. - T. 2.- 205 p. 5. Reflexotherapy: textbook / [Sviridova N.K., Morozova O.G., Chupryna O.G.] per ed.. - K.: LLC SIKGROUP Ukraine, 2017. - 126 p. <p><u>Additional literature:</u></p> | | |

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| | | <p>3. Lecture of the cycle of specialization in reflexotherapy "Application of YIN theory in traditional Chinese medicine" / Chuprina G.M., Trufanov E.O., Sviridova N.K., [etc.]. - Eastern European Neurological Journal. - 2018, No4(22).- p.26-31.</p> <p>4. Lecture of the cycle of specialization in reflexotherapy "The use of reflexo-therapeutic measures in cosmetology" / Sviridova N.K., Chuprin G.M., Parnikoza T.P., Cherednichenko T.V. - East European neurologist. zhurn. -2017.- No4(16).- p.4-10.</p> <p>5. Lecture of the cycle of specialization with RT "Practical application of the theory of Xin in traditional Chinese medicine" / Chuprina G.M., Sviridova N.K., Parnikoza T.P. [etc.]. - Eastern European Neurological Journal. - 2018, No2(20).- P.19-23.</p> <p>6. Lecture of the specialization cycle with RT "Theoretical and methodological aspects of reflexotherapy" / Chuprin G.M., Sviridova N.K., Parnicosa T.P. [etc.]. - Eastern European Neurological Journal. - 2018, No2(20).- P.19-23.</p> <p>7. Lecture of the cycle of specialization with RT "Cephalalgia: clinic, diagnosis and treatment" / Chuprin G.M., Sviridova N.K., Parnikoza T.P. [etc.]. - East-Europe Journal. - 2018, No2(20).- P.19-23.</p> <p>8. Lecture of the cycle of specialization in reflexotherapy "Theory of YIN-YANG as a basis for the diagnosis and lycation of diseases" / Chuprin G.M., Sviridova N.K., Parnikoza T.P. - Eastern European Neurological Journal. - 2017, No4(16).- p.4-10.</p> <p>Information resource</p> <p>1. http://www.sport-med.com.ua</p> <p>2. http:// www.medicalacupuncture.org</p> <p>3. http:// www.acucouncil.org</p> <p>4. http:// www.acudetox.com</p> |
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Additional information

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Head of scientific student group: ass. Prof. Mariya Shorobura

Responsible for safety at the department: ass. prof Roman Vivchar

Syllabus laying

Nataliya Malyarska, PhD, assoc. prof.

(Signature)

Head of the department

Tetyana Nehrych MD, D.Sc., Professor

(Signature)

APPENDIX

Scheme of discipline «**REFLEXOTHERAPY IN DENTISTRY**»

| Number. / date / hour. | Theme, plan, brief theses | Form of activity (classes)* *lecture, independent | Materials | Literature. *** Online Resources |
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| | | nt, discussion , group work) | | |
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| 1 | Theme #1. The definition of reflexotherapy, its role and place in modern medicine. | Practice session 2 hours | Tables, diagrams, atlases, guidelines | |
| 2 | Theme #2. Mechanisms of reflexotherapy from the standing positions of reflex theory. | Practice session 2 hours | Tables, diagrams, neurological atlas, methodological recommendations | |
| 3 | Theme number 3. Topography of acupuncture points (AP) and acupuncture meridian (AM). | Practice session 4 hours | Tables, atlases, diagrams, acupuncture needles, methodological recommendations | |
| 4 | Theme number 4. Concept of additional (complementary) medicine methods. | Practice session 2 hours | Tables, diagrams, guidelines | |
| 5 | Theme number 5. The main components of the item of rhinoreflexotherapy: the place of action, reception and moment of action. | Practice session 2 hours | Atlases, set of acupuncture needles and milk-point; educational materials | |
| 6 | Theme number 6. Determination of reflex diagnostics and its systematization (local, segmental, meridian, microacupuncture). | Practice session 2 hours | Tables, diagrams, atlases, micro-acupuncture and needles, methodical-no recommendations | |
| 7 | Theme #7. Modern ideas of microacupuncture systems (MAS) and their properties. | Practice session 2 hours a day | Tables, diagrams, atlases, tools, methodological recommendations | |
| 8 | Theme number 8. Superficial multi-needle acupuncture. Laser therapy. | Practice session 2 hours | Atlases, set of acupuncture needles and milk-point; methodical materials | |
| 9 | Theme number 9. Electroreflexotherapy: through skin electrostimulation (CHENS). Electromyostimulation. | Practice session 2 hours | Tables, diagrams, atlases, tools, methodological recommendations | |
| 10 | Theme number 10. Principles of reflex anesthesia of craniofacial pain syndromes and prozopalgias (systems of trigeminal, facial, glossopharyngeal, vagus nerves). | Practice session 4 hours | Diagrams, tables, atlases, set of acupuncture needles and milk-point; methodological recommendations | |
| 11 | Theme number 11. Reflex anesthesia of vegetative prozopalgias of the | Practice session 2 hours a | Tables, atlases, acupuncture tools, methodological | |

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| | maxillary-facial area. | day | recommendations | | |
| 12 | Theme number 12. Principles of reflex anesthesia of oral pain syndromes (stomatitisi, glossitis, pulpitis and, parodontitis, heilitis, galvanism, etc.). | Practice session 2 hours a day | Dummies tables, atlases, acupuncture tools, methodological recommendations | | |
| 13 | Theme number 13. Reflexotherapy of vegetative dysfunctions, collapsing, fainting at 10 p.m. | Practice session 2 hours | Multimedia presentation; diagrams, tables, methodical materials | | |
| 14 | Theme number 14. General provisions of manual reflexotherapy. | Practice session 2 hours a day | Tables, mules, atlases, neurological tools, methodological recommendations | | |
| 15 | Theme number 15. Myofascial pain syndrome. | Practice session 2 hours a day | Tables, mules, atlases, neurological tools, methodological recommendations | | |
| 16 | Theme number 16. Temporal- mandibular joint syndrome. | Practice session 2 hours a day | Tables, mules, atlases, neurological tools, methodological recommendations | | |
| 17 | Theme number 17. Manual methods of muscle correction. | Practice session 2 hours a day | Diagrams, tables, neurological tools, methodological recommendations | | |
| 18 | Theme #1. Determination of reflex therapy, its role and place in modern medicine. | Independent work 4 hours a day | | | |
| 19 | Theme number 2. Mechanisms of reflexotherapy from the fundamental positions of reflex theory. | Independent work 4 hours a day | | | |
| 20 | Theme number 3. Topography of acupuncture points (AT) and acupuncture meridian (AM). | Independent work 6 hours a day | | | |
| 21 | Theme number 4. Concept of additional (complementary) medicine methods. | Independent work 4 hours a day | | | |
| 22 | Theme #5. The main components of punctual reflexotherapy: place of action, reception and moment of action. | Independent work 4 hours a day | | | |
| 23 | Theme number 6. Determination of reflexodiagnosics and its systematization (local, segmental, meridian, | Independent work 6 hours a day | | | |

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| | microacupuncture). | | | | |
| 24 | Theme #7. Modern ideas about microacupuncture systems (MAS) and their properties. | Independent work 6 hours a day | | | |
| 25 | Theme number 8. Superficial multi-needle acupuncture. Laser therapy. | Independent work 6 hours a day | | | |
| 26 | Theme number 9. Electroreflexotherapy: intercutaneous electroneurostimulation (CHENS). Electromyostimulation. | Independent work 6 hours a day | | | |
| 27 | Theme number 10. Principles of reflex anesthesia of craniofacial pain syndromes and prozopalgias (systems of trigeminal, facial, glossopharyngeal, vagus nerves). | Independent work 6 hours a day | | | |
| 28 | Theme number 11. Reflex anesthesia of vegetative prozopalgias of the maxillary-facial area. | Independent work 6 hours a day | | | |
| 29 | Theme number 12. Principles of reflex anesthesia of oral pain syndromes (stomatitis, glossitis, pulpitis, parodontitis, heilitis, galvanism, etc.). | Independent work 6 hours a day | | | |
| 30 | Theme number 13. Reflexotherapy of autonomic dysfunctions, collapsing, fainting, etc.. | Independent work 6 hours a day | | | |
| 31 | Theme number 14. General provisions of manual reflexotherapy. | Independent work 4 hours a day | | | |
| 32 | Theme #1 5. Myofascial pain syndrome. | Independent work 6 hours a day | | | |
| 33 | Theme #1 6. Temporal-mandibular joint syndrome. | Independent work 6 hours a day | | | |
| 34 | Theme #1 7. Manual methods of muscle correction. | Independent work 6 hours a day | | | |
| 35 | Theme #1. Preparation of meridian diagrams and points | Individual work. | | | |

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| | of acupuncture, creation of compatibility tables of acupuncture points in various dental diseases. | 6 hours a day | | | |
| 36 | Theme number 2. Self-study of topics that are not included in the plan of classes: Reflexotherapy in pediatric dentistry; Reflexotherapy of various forms of migraines. Structural and functional features of the cervical spine and their consideration in manual therapy. | Individual work. 4 hours a day | | | |
| 37 | Theme number 3. Preparation for test tasks for the control survey, reports to the students scientific conference, etc. | Individual work. 2 hours a day | | | |
| 38 | Theme #1 8. Preparation for final control | Independent work 6 hours a day | | | |
| 39 | Theme #1 8. Final control: Scoring. | Practice session 2 hours a day | Computers, test tasks. | <u>1-10</u> | |