	Educational institution Roel Metropolitan University
	Abstract of the course Department of Dental Disciplines

Abstract of the course "Propaedeutics of Surgical Dentistry"

Name of the discipline	Propaedeutics of surgical dentistry
The complexity of the discipline	3 credits (90 hours)
Course, semester	2nd year, 3 rd semester
The place of the discipline in the curriculum (prerequisites, postrequisites)	<p>The discipline "Propaedeutics of Surgical Dentistry" is a fundamental basis for mastering the clinical sections of dentistry.</p> <p>Prerequisites: Human anatomy (head and neck), normal physiology, topographic anatomy, general surgery, materials science.</p> <p>Postrequisites: surgical dentistry (clinic), maxillofacial surgery, implantology.</p>
Goals and objectives of the discipline	<p>The goal The goal of mastering this discipline is to develop students' theoretical knowledge and basic manual skills in organizing surgical procedures, administering anesthesia, and performing tooth extraction techniques on phantoms.</p> <p>Objectives of the course:</p> <ol style="list-style-type: none"> 1. Study of the structure of a surgical room and the rules of asepsis and antisepsis. 2. Mastering the technique of examining a surgical dental patient. 3. Study of instruments for local anesthesia and tooth extraction. 4. Training in the technique of administering local anesthesia on phantoms and anatomical specimens. 5. Study of the pharmacology of local anesthetics and antiseptics. 6. Practicing the stages and techniques of tooth extraction surgery on jaw models. 7. Study of primary surgical treatment of wounds and the basics of suturing.
Competencies:	The discipline contributes to the development of the following competencies



IK-1 - capable and ready to work with computer hardware and software for system and application purposes to solve professional problems;

OK-1: ability to abstract thinking, analysis, synthesis;

SLK-1 - able and willing to implement ethical, deontological, and bioethical principles in professional activities;

SLK-2 - able and willing to use professional communication techniques; build interpersonal relationships, work in a group, constructively resolve conflict situations, and tolerate social, ethnic, religious, and cultural differences.

PC-2 - is able and ready to conduct and interpret a survey, physical examination, clinical examination, results of modern laboratory and instrumental studies, morphological analysis of biopsy, surgical and autopsy material of patients, prepare a medical record of outpatient and inpatient patients of children and adults;

PC-3 - is able and ready to conduct a pathophysiological analysis of clinical syndromes, use sound methods of diagnosis, treatment, rehabilitation and prevention among children, taking into account their age, and the adult population;

PC-4 - is able and ready to apply aseptic and antiseptic methods, use medical instruments, carry out sanitization of treatment and diagnostic rooms, children's healthcare organizations, and possess the techniques for caring for sick children and adults;


PC-6 - is capable and ready to work with medical and technical equipment used in work with patients, computer equipment, receive information




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Roel Metropolitan University

Abstract of the course
Department of Dental Disciplines

	<p>from various sources, apply the capabilities of modern information technologies to solve professional problems;</p> <p>PC-15 - Capable and prepared to collect and record a complete patient medical history, including oral health data;</p> <p>PC-16 - Capable and prepared to make a diagnosis based on clinical and laboratory testing of biological materials and taking into account the patterns of disease progression across organs, systems, and the body as a whole.</p> <p>PC-18 - capable and prepared to identify the main pathological symptoms and disease syndromes in patients, and perform basic diagnostic procedures to identify emergency and life-threatening conditions;</p> <p>PC-19 - capable and prepared to diagnose typical dental diseases of the hard and soft tissues of the oral cavity, as well as dentofacial anomalies in patients of all ages;</p> <p>PC-20 - is capable and ready to analyze and interpret the results of modern diagnostic technologies in children, adolescents and adults for successful treatment and preventive activities. - treatment activities;</p> <p>PC-22 - is capable and ready to perform basic treatment procedures for the most common dental diseases and conditions in adults and children;</p>
Results of mastering the discipline	<p>The results of mastering the discipline are formed using the active verbs of Bloom's Taxonomy: After mastering this discipline, the student:</p> <p>Will know:</p> <ul style="list-style-type: none">• anatomical and topographic landmarks for conducting conduction anesthesia;

	Educational institution Roel Metropolitan University
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	<ul style="list-style-type: none"> • classification and purpose of surgical forceps and elevators; • Rules for treating the surgeon's hands and the surgical field. <p>Will understand:</p> <ul style="list-style-type: none"> • mechanisms of action of local anesthetics and possible allergic reactions; • biomechanics of tooth extraction and the role of the periodontal ligament in this process. <p>Will be able to use:</p> <ul style="list-style-type: none"> • methods of clinical examination of the maxillofacial region (palpation of lymph nodes, probing of fistula tracts) on dummies; • Algorithms for sterilization and disinfection of dental instruments. <p>Will be able to:</p> <ul style="list-style-type: none"> • perform the main types of local anesthesia (infiltration and conduction) on phantoms; • select the appropriate forceps for removing a specific tooth in the upper and lower jaws; • perform the stages of a tooth extraction operation (application, advancement, fixation, luxation, traction) on a model; • perform the placement of interrupted and continuous sutures on biological tissues or simulators; • fill out primary medical documentation (patient card).
Basic literature	<ol style="list-style-type: none"> 1. Fragiskos D. Fragiskos. Oral Surgery. Springer. (The best atlas of techniques for beginners). 2. Stanley F. Malamed. Handbook of Local Anesthesia. Elsevier. 3. James R. Hupp. Contemporary Oral and Maxillofacial Surgery. 4. Bazikyan E. A. Propaedeutic dentistry. Textbook. (Section on surgery). 5. Mamytova A.B., Boronchiev A.A. Local anesthesia. Study guide, 2015. 6. Oral Medicine. Exam Preparatory Manual for Undergraduates.

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	Abstract of the course Department of Dental Disciplines