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

Abstract of the discipline "Gerontostomatology"

Name of the discipline	Gerontostomatology
The complexity of the discipline	2 credits (60 hours)
Course, semester	5th year, 9th semester.
The place of the discipline in the curriculum (prerequisites, postrequisites)	<p>The course "Gerontostomatology" is part of the dental curriculum and is a compulsory course. Prerequisites: Latin, medical biology, human anatomy, physics and mathematics, normal physiology, microbiology, and biological chemistry.</p> <p>Postrequisites: therapy, general surgery, pharmacology, radiology.</p>
Goals and objectives of the discipline	<p>The goal The aim of mastering the discipline is to provide the student with knowledge and skills in gerontostomatology, taking into account further education and preparation for professional activity in the specialty.</p> <p>Objectives of the course:</p> <ol style="list-style-type: none"> 1) teaching students the basic anatomical and physiological features of the maxillofacial region in the elderly, which influence the occurrence, development, course, diagnosis, prevention and treatment of dental diseases; 2) mastering the basic practical skills necessary for examining therapeutic dental patients of elderly and senile age; 3) teaching students the basics of etiology, pathogenesis, clinical manifestations, diagnosis and differential diagnosis of major dental diseases, their complications and terminal conditions; 4) study of emergency conditions in dentistry and training in providing assistance; 5) identification of connections between gerontostomatological diseases and environmental factors, bad habits; 6) recognition of hidden, long-term foci of chronic oral infection for the prevention of common diseases; 7) training students in the classification of the main dental diseases in gerontostomatology, training in

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	<p>writing the dental formula according to international classifications;</p> <p>8) teaching students the relationships between pathological processes occurring in the maxillofacial region and in other organs and systems.</p>
Competencies:	<p>The discipline contributes to the development of the following competencies;</p> <p>OK-1— the ability to think abstractly, analyze and synthesize information in professional and scientific activities</p> <p>IK-1 - able and willing to work with computer equipment and software</p> <p>providing systemic and applied purposes for solving professional problems;</p> <p>SLK-1- able and ready to implement ethical, deontological and bioethical principles in professional activities;</p> <p>SLK-2- able and ready for professional communication techniques; build interpersonal relationships, work in a group, constructively resolve conflict situations, tolerate social, ethnic, religious and cultural differences;</p> <p>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;</p> <p>PC-3- is able and willing 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;</p> <p>PC-4- is able and ready to apply aseptic and antiseptic methods, use medical instruments, carry out sanitization of treatment and diagnostic rooms,</p>



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children's healthcare organizations, and be proficient in the techniques of caring for sick children and adults;

PC-6- is able and ready to work with medical and technical equipment used in work with patients, computer equipment, receive information from various sources, apply the capabilities of modern information technologies to solve professional problems;

PC-15 - able and willing to collect and record a complete patient medical history, including oral health data;

PC-16 - is capable and ready to make a diagnosis based on the results of clinical laboratory studies of biological materials and taking into account the laws of the course of pathology in organs, systems and the body as a whole;

PC-19- is able and ready to diagnose typical dental diseases of the hard and soft tissues of the oral cavity, dentofacial anomalies in patients of all ages;


PC-20 - able and willing to analyze and interpret the results of modern diagnostic technologies in children, adolescents and adults for successful treatment and preventive activities. - treatment activities:

PC-22 - able and ready to perform basic treatment procedures for the most common dental diseases and conditions in adults and children;


PC-23 - is able and ready to prescribe adequate treatment to patients with dental diseases in accordance with the diagnosis, and implement an algorithm for selecting drug and non-drug therapy;

PC-26- is able and ready to apply various rehabilitation measures (medical, social and professional) among adults, adolescents and children for the most common dental diseases;

PC-27 - able and willing to determine indications and contraindications for the use of therapeutic exercise, physical therapy, and non-drug therapy, and to utilize

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	<p>key resort factors in the treatment of adults, adolescents, and children. - educational activities:</p>
<p>Results of mastering the discipline</p>	<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><i>Will know:</i></p> <ul style="list-style-type: none"> • the structure and equipment of therapeutic, surgical, and orthopedic dental departments medical organizations; sanitary and hygienic • requirements for the organization of all dental treatment and preventive institutions; <p><i>Will understand:</i></p> <ul style="list-style-type: none"> • job responsibilities and rights of a physician to provide dental and emergency medical care to elderly and senile individuals; • professional ethics and deontological aspects of the treatment and preventive work of a dentist <p><i>Will be able to use:</i></p> <ul style="list-style-type: none"> • principles and methods of outpatient treatment of dental diseases in gerodentistry; • classification, etiology, pathogenesis of diseases of the pulp and periodontium; • etiological factors leading to the development of dental diseases; • diseases of the pulp and periodontium; • methods of examination, diagnosis, prevention and therapeutic treatment of patients with diseases of the pulp and periodontium; • methods of endodontic treatment of patients with pulp and periodontal diseases; • causes of complications in gerontostomatological practice during the treatment of patients with pulp and periodontal diseases, and methods of their prevention; <p><i>Will be able to:</i></p> <ul style="list-style-type: none"> • conduct a therapeutic dental examination of the patient and draw up a medical history in gerodentistry;

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	<ul style="list-style-type: none"> • write down the dental formula of permanent and temporary teeth in accordance with the international notation system; • determine the condition of hard dental tissues; • to determine the prevalence and intensity of dental diseases in the group of subjects examined; • determine the hygienic condition of the oral cavity using indices; • carry out individual selection of oral hygiene products for the patient depending on the age and condition of the oral cavity; • perform various teeth cleaning methods on phantoms; • teach children and adults teeth cleaning techniques; • carry out supervised teeth cleaning; • to carry out diagnostics and differential diagnostics of initial forms of caries and non-carious lesions; • Conduct treatment of caries, pulp, rt on models.
Basic literature	<p>1.Clinical Problem Solving in Prosthodontics1st Edition Author: David Bartlett Functional Occlusion 1st Edition From TMJ to SmileDesignAuthor: Peter Dawson</p> <p>2.Oral Medicine 1st Edition Exam Preparatory Manual for Undergraduates</p> <p>3.B.A. Kozhokeeva, K.B. Kuttubaeva, CM</p> <p>4.Ergeshov Pulpitis: Clinical Features, Diagnosis, Treatment: Study Guide</p> <p>5.Periodontics: Prep Manual for Undergraduates 1st EditionAuthors: Vivek Bains Vivek Gupta Jyoti Bansal</p>