

SELECTIVE DISCIPLINE

for 3st year students of the Faculty of Dentistry

2020-2021 academic year

Name of discipline	BASIC TECHNOLOGIES FOR THE MANUFACTURE OF DENTURES
The department	Orthopedic dentistry
Teachers	Ass. Sorokhan M.M.
Brief description of the scope of the subject	<p>The purpose of the discipline: an in-depth study of modern technologies of fixed and removable prosthetics, materials and technologies used in dental prosthetics.</p> <p>Objective: To know the main types of orthopedic structures, their structure and scope. Distinguish between manufacturing techniques for fixed and removable types of orthopedic structures. Understand the algorithms of technological processes used in the manufacture of orthopedic structures. Explain the feasibility of applying certain technological actions in the manufacturing process of certain types of orthopedic structures. Explain the importance of basic materials for the manufacture of fixed and removable orthopedic structures. To interpret the mechanical, technological, physical, chemical and biological properties of the basic materials for the manufacture of fixed and removable orthopedic structures. Give a theoretical justification for the selection of basic materials depending on the type of prosthetics.</p> <p>Discipline Study Results: The student must <i>know</i>:</p> <ol style="list-style-type: none"> 1. Characterization of modeling materials. 2. The casting method in the manufacture of removable and fixed orthopedic structures. 3. Milling in the manufacture of removable and fixed orthopedic structures. CAD-CAM technology. 4. Technologies for the production of orthopedic structures from ceramic masses. Indications for use. 5. Technologies for processing orthopedic structures. Characterization of materials and means. <p>The student must be <i>able to</i>:</p> <ol style="list-style-type: none"> 1. To choose an orthopedic design in accordance with the clinical situation. 2. Perform the clinical stages of the manufacture of orthopedic structures.
Providing general and professional competencies	<p>GC 1 Ability to abstract thinking, analysis and synthesis.</p> <p>GC 2 Knowledge and understanding of the subject area and understanding of professional activities.</p> <p>GC 3 The ability to apply knowledge in practice.</p> <p>GC 6 Skills for using information and communication technologies.</p> <p>PC 1 The ability to collect medical information about a patient and analyze clinical data.</p>

	<p>PC 2 The ability to interpret the result of laboratory and instrumental studies.</p> <p>PC 3 The ability to diagnose: determine the previous, clinical, final, concomitant diagnosis, emergency conditions.</p> <p>PC 4 The ability to plan and carry out activities for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial region.</p> <p>PC 6 The ability to determine the rational mode of work, rest, diet in patients with the treatment of diseases of organs and tissues of the oral cavity and maxillofacial region.</p> <p>PC 9 The ability to treat major diseases of organs and tissues of the oral cavity and maxillofacial region.</p> <p>PC 12 The ability to organize and conduct screening examinations in dentistry.</p> <p>PC 16 The ability to organize and conduct rehabilitation measures and care in patients with diseases of the oral cavity and maxillofacial region.</p>
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