

**Thematic lesson plan of lectures
in the discipline "Complex removable prosthetics"
for students of the educational program
of the specialty 31.05.03. Dentistry
(specialist's level),
form of study intramural
for the 2023-2024 academic year**

№	Topics of lectures	Hours (academic)
1.	Features of treatment of patients with modern designs of bar dentures. ¹ Types of systems for fixing bar dentures. Stages of treatment with bar dentures with a clasp fixation system. ²	2
2.	Biomechanics of bar dentures. ¹ The "work" of the included and end bases of bar dentures. Biomechanics of removable plate dentures (with partial and complete absence of teeth). The concept of clasp fastening (point, linear, planar). Biomechanics of the supporting-holding and holding clasp. ²	2
3.	Features of the treatment of patients with bar dentures with attachment fixation system. ¹ Types of attachments, their functions, design features. Stages of treatment with bar dentures with attachment fixation system. ²	2
4.	Features of the treatment of patients with bar dentures with telescopic and beam fixation systems. ¹ Types of telescopic and beam fastening systems, their functions, design features. Stages of treatment with bar dentures with telescopic and beam fixation systems. ²	2
5.	Treatment of patients with removable dentures based on intraosseous dental implants and mini-implants. ¹ Stages of work, construction materials. ²	2
6.	Features of planning and treatment of patients with removable dentures under difficult clinical conditions (sharp, uneven atrophy, complete absence of teeth in one of the jaws, etc.) Features of orthopedic treatment of patients with chronic diseases of the oral mucosa, intolerance to structural materials. ¹ Mistakes in prosthetics with removable structures. ²	2
7.	Modern methods of diagnosis and treatment of patients with maxillofacial prosthetics. ¹ Comprehensive planning of orthopedic treatment using CAD/CAM technologies. Application of methods of radiation diagnostics (MSCT, MRI) in the planning of complex rehabilitation of patients. Models obtained by computer prototyping (stereolithography). ²	2
8.	Features of orthopedic treatment of patients with congenital and acquired defects of the soft and hard palate. ¹ Types of maxillary obturators for defects in the hard and soft palate. ²	2
	Total	16

¹ -Subject

² - essential content (if necessary)

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Head of the Department

V.I. Shemonaev