

**Thematic plan of seminars
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**

№	Thematic blocks	Hours (academic)
1.	<p>Indications and contraindications for the manufacture of cast bar prostheses with clasp fixation systems. Structural elements of cast clasp prostheses. Types of support-retaining clasps (Ney's system), structure, indications. Clinical and laboratory stages of manufacturing cast clasp prostheses on a refractory model.¹</p> <p>Indications and contraindications for the manufacture of cast bar prostheses with clasp fixation systems. Preparation of the oral cavity for prosthetics with clasp bar prostheses. Rationale for the choice of abutment teeth. Structural elements of cast clasp prostheses.² Part 1</p>	2
	<p>Indications and contraindications for the manufacture of cast bar prostheses with clasp fixation systems. Structural elements of cast clasp prostheses. Types of support-retaining clasps (Ney's system), structure, indications. Clinical and laboratory stages of manufacturing cast clasp prostheses on a refractory model.¹</p> <p>Types of support-retaining clasps (Ney's system), structure, indications for use. Clinical and laboratory stages in the manufacture of cast bar prostheses on a refractory model.² Part 2</p>	2
2.	<p>Indications and contraindications for the manufacture of cast bar prostheses with a locking system of fixation. Types of locks. Definition of basic concepts. Ways of distribution of chewing load when using removable dentures. Clinical and laboratory stages in the manufacture of cast bar prostheses with a locking system of fixation.¹</p> <p>Indications and contraindications for the manufacture of cast bar prostheses with a locking system of fixation.² Part 1</p>	2
	<p>Indications and contraindications for the manufacture of cast bar prostheses with a locking system of fixation. Types of locks. Definition of basic concepts. Ways of distribution of chewing load when using removable dentures. Clinical and laboratory stages in the manufacture of cast bar prostheses with a locking system of fixation.¹</p> <p>Types of locks.² Part 2</p>	2

	<p>Indications and contraindications for the manufacture of cast bar prostheses with a locking system of fixation. Types of locks. Definition of basic concepts. Ways of distribution of chewing load when using removable dentures. Clinical and laboratory stages in the manufacture of cast bar prostheses with a locking system of fixation.¹ Clinical and laboratory stages in the manufacture of cast bar prostheses with a locking system of fixation.² Part 3</p>	2
3.	<p>Indications and contraindications for the manufacture of cast bar prostheses with a telescopic and beam fixation system. Definition of basic concepts. Clinical and laboratory stages of manufacturing cast bar prostheses with telescopic and beam fixation systems.¹ The concept of a telescopic fixation system. Types of telescopic crowns. Indications and contraindications for the use of bar prostheses with a telescopic fixation system.² Part 1</p>	2
	<p>Indications and contraindications for the manufacture of cast bar prostheses with a telescopic and beam fixation system. Definition of basic concepts. Clinical and laboratory stages of manufacturing cast bar prostheses with telescopic and beam fixation systems.¹ Clinical and laboratory stages of manufacturing bar prostheses with a telescopic fixation system.² Part 2</p>	2
	<p>Indications and contraindications for the manufacture of cast bar prostheses with a telescopic and beam fixation system. Definition of basic concepts. Clinical and laboratory stages of manufacturing cast bar prostheses with telescopic and beam fixation systems.¹ The concept of the beam fixation system. Types of beam elements. Indications and contraindications for the use of bar prostheses with a beam fixation system. Clinical and laboratory stages of manufacturing bar prostheses with a beam fixation system.² Part 3</p>	2
4.	<p>Indications for the use of combined and two-layer bases. Materials used for manufacturing. Manufacturing methods.¹ The concept of "combined" and "two-layer" basis of removable dentures. Indications for the use of combined bases. Indications for the use of two-layer bases.² Part 1</p>	2
	<p>Indications for the use of combined and two-layer bases. Materials used for manufacturing. Manufacturing methods.¹ Materials used in the manufacture of prostheses with combined and two-layer bases.² Part 2</p>	2
	<p>Indications for the use of combined and two-layer bases. Materials used for manufacturing. Manufacturing methods.¹ Methods for the manufacture of prostheses with combined and two-layer bases.² Part 3</p>	2

5.	Features of the treatment of patients with removable dentures based on dental implants. Treatment planning, choice of fixation system. Clinical and laboratory stages of manufacturing structures based on intraosseous dental implants and mini-implants (conditionally removable, removable). ¹ Types and methods of orthopedic treatment using implants as supporting elements. Treatment planning, selection of a system for fixing removable dentures based on implants. ² Part 1	2
	Features of the treatment of patients with removable dentures based on dental implants. Treatment planning, choice of fixation system. Clinical and laboratory stages of manufacturing structures based on intraosseous dental implants and mini-implants (conditionally removable, removable). ¹ Requirements for a surgical template. Methods for making surgical templates. Structural features of dentures based on dental implants in the complete absence of teeth. ² Part 2	2
	Features of the treatment of patients with removable dentures based on dental implants. Treatment planning, choice of fixation system. Clinical and laboratory stages of manufacturing structures based on intraosseous dental implants and mini-implants (conditionally removable, removable). ¹ Clinical and laboratory stages of manufacturing orthopedic structures based on intraosseous dental implants and mini-implants. ² Part 3	2
1.	Mistakes and complications in prosthetics of patients with clasp (with clasp and lock systems fixation) prostheses and prostheses (conditionally removable, removable) based on dental implants and mini-implants. ¹ Errors and complications in the manufacture of clasp prostheses with clasp fixing system. ² Part 1	2
	Mistakes and complications in prosthetics of patients with clasp (with clasp and lock systems fixation) prostheses and prostheses (conditionally removable, removable) based on dental implants and mini-implants. ¹ Errors and complications in manufacturing combined prosthetics. ² Part 2	2
	Mistakes and complications in prosthetics of patients with clasp (with clasp and lock systems fixation) prostheses and prostheses (conditionally removable, removable) based on dental implants and mini-implants. ¹ Errors and complications in prosthetics based on dental implants and mini-implants. ² Part 3	2
2.	Features of planning and treatment of patients with removable dentures in difficult clinical conditions (sharp, uneven atrophy, complete absence of teeth on one of the jaws, progeny and prognathic of the jaws). 1 Classification of edentulous jaws. Peculiarities prosthetics for patients under difficult clinical conditions - sharp, uneven atrophy of the jaws. 2 Part 1	2

	Features of planning and treatment of patients with removable dentures in difficult clinical conditions (sharp, uneven atrophy, complete absence of teeth on one of the jaws, progeny and prognathic of the jaws). 1 Peculiarities prosthetics for patients with complete absence of teeth on one jaw. 2 Part 2	2
	Features of planning and treatment of patients with removable dentures in difficult clinical conditions (sharp, uneven atrophy, complete absence of teeth on one of the jaws, progeny and prognathic of the jaws). 1 Peculiarities prosthetics for patients with prognathic and progeny jaw relationships. 2 Part 3	2
3.	Features of orthopedic treatment of patients with chronic diseases of the oral mucosa and intolerance to structural materials. Errors in prosthetics with removable structures.1 Chronic diseases of the oral mucosa. Orthopedic treatment of patients with papillomatous lesions.2 Part 1	2
	Features of orthopedic treatment of patients with chronic diseases of the oral mucosa and intolerance to structural materials. Errors in prosthetics with removable structures.1 Orthopedic treatment of patients with lichen planus, leukoplakia. Features of examination and orthopedic treatment of patients with galvanosis.2 Part 2	2
	Features of orthopedic treatment of patients with chronic diseases of the oral mucosa and intolerance to structural materials. Errors in prosthetics with removable structures.1 Errors in prosthetics with removable denture structures.2 Part 3	2
4.	The use of methods of radiation diagnostics (MSCT, MRI) in the planning of complex rehabilitation of patients. Comprehensive planning of orthopedic treatment using CAD/CAM technologies. Models obtained by computer prototyping (stereolithography).1 Basic methods of obtaining medical diagnostic images. Image analysis, computer processing of medical images. Digital image acquisition technologies. Direct and indirect analog technologies. Teleradiology. Manipulations with radiation images (archiving, image subtraction, radiological measurements).2 Part 1	2
	The use of methods of radiation diagnostics (MSCT, MRI) in the planning of complex rehabilitation of patients. Comprehensive planning of orthopedic treatment using CAD/CAM technologies. Models obtained by computer prototyping (stereolithography).1 Planning of reconstructive operations using CAD/CAM technologies. Models obtained by computer prototyping (stereolithography).2 Part 2	2

5.	Features of orthopedic treatment of patients with congenital and acquired defects of the soft and hard palate. Types of maxillary obturators with defects of the hard and soft palate. Clinical and laboratory stages of their manufacture.1 Etiology and pathogenesis of defects of the hard and soft palate. Clinic, functional disorders. Classification of obturators. Classification of defects of the palate.2 Part 1	2
	Features of orthopedic treatment of patients with congenital and acquired defects of the soft and hard palate. Types of maxillary obturators with defects of the hard and soft palate. Clinical and laboratory stages of their manufacture.1 Design features, methods of fixing obturating prostheses. Clinical and laboratory stages of obturator manufacturing for various variants of palate defects.2 Part 2	2
	Intermediate certification	2
	Total	56

¹ -Subject

² - essential content (if necessary)

Considered at the meeting of the Department for Prosthetic dentistry with course of clinical dentistry "23" May 2023, protocol No 10.

Head of the Department



V.I. Shemonaev