

**Thematic plan of seminars
in the discipline "Gnathology"
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><i>The functional state of the dentoalveolar system with defects in the hard tissues of the teeth and the partial absence of teeth.¹</i> Definition of the term "deformation". Etiological factors of deformation of teeth and dentition. Pathogenesis of deformations of the dentition (theories of Godon, Kalvelis, Kurlyandsky, Abrikosov). Classification of deformations of teeth and dentition. Treatment of tooth deformation and horizontal deformation of the dentition. Treatment of dental deformities of the dentition. Treatment of dentoalveolar deformities of the dentition.² Part 1</p>	2
	<p><i>The functional state of the dentoalveolar system with defects in the hard tissues of the teeth and the partial absence of teeth.¹</i> Classification of bite deformities. Varieties of clinical manifestations. Treatment of bite deformity with the preservation of a straight bite or transition to an orthognathic bite with a decrease in height. The sequence and principle of treatment of bite deformities with a decrease in the height of the lower third of the face and the establishment of a deep bite. The sequence and principle of treatment of bite deformities with the establishment of a biprognathic ratio of the dentition.² Part 2</p>	2
2.	<p><i>Gnathological aspects of orthodontic and orthopedic treatment of patients with anomalies of teeth, dentition, occlusion.¹</i> Methods of examination of patients with anomalies of the dentoalveolar system. Features of the treatment of dentoalveolar anomalies in adult patients.² Part 1</p>	2
	<p><i>Gnathological aspects of orthodontic and orthopedic treatment of patients with anomalies of teeth, dentition, occlusion.¹</i> Features of the treatment of anomalies of the dentition, complicated by periodontitis. Features of the treatment of anomalies of the dentition, complicated by deformations of the dentition.² Part 2</p>	2
	<p><i>Gnathological aspects of orthodontic and orthopedic treatment of patients with anomalies of teeth, dentition, occlusion.¹</i> Principles of complex orthodontic and surgical treatment.² Part 3</p>	2
3.	<p><i>Causes of functional overload of periodontal tissues. Traumatic occlusion.¹</i> Functional overload of periodontal tissues, etiology, pathogenesis. The concept of "traumatic occlusion". Purpose of selective grinding of teeth. Indications and contraindications for selective grinding of teeth. Methods for detecting supercontacts and materials used.² Part 1</p>	2
	<p><i>Causes of functional overload of periodontal tissues. Traumatic occlusion.¹</i> Methods and basic rules for selective grinding of teeth. Selective grinding of centric supercontacts.² Part 2</p>	2
	<p><i>Causes of functional overload of periodontal tissues. Traumatic occlusion.¹</i></p>	2

	Selective grinding of eccentric supercontacts. Errors in the conduct of selective grinding of teeth. ² Part 3	
4.	<i>Diseases of the temporomandibular joint and chewing muscles. Dysfunctional conditions of the temporomandibular joint.¹</i> Etiology, pathogenesis of dysfunctional conditions of the temporomandibular joint. Classification of diseases of the temporomandibular joint. Diagnosis of dysfunctional conditions of the temporomandibular joint. ² Part 1	2
	<i>Diseases of the temporomandibular joint and chewing muscles. Dysfunctional conditions of the temporomandibular joint.¹</i> Clinical manifestations of dysfunctional conditions of the temporomandibular joint and their differential diagnosis. Parafunctions of masticatory muscles. Etiology, pathogenesis. clinical picture. Diagnostics. Differential Diagnosis. ² Part 2	2
	<i>Diseases of the temporomandibular joint and chewing muscles. Dysfunctional conditions of the temporomandibular joint.¹</i> Bruxism. Etiology, pathogenesis. clinical picture. Diagnostics. Differential diagnosis. Dislocation of the TMJ disc. Etiology, pathogenesis. clinical picture. Diagnostics. Differential Diagnosis. ² Part 3	2
5.	<i>Diseases of the temporomandibular joint and chewing muscles. Habitual dislocations in the joint. Arthritis. Arthrosis.¹</i> Etiology and pathogenesis of habitual dislocations in the joint. Diagnosis of condylar and disc disorders. clinical picture. Differential Diagnosis. ² Part 1	2
	<i>Diseases of the temporomandibular joint and chewing muscles. Habitual dislocations in the joint. Arthritis. Arthrosis.¹</i> Arthritis. Etiology, pathogenesis. clinical picture. Diagnostics. Differential Diagnosis. ² Part 2	2
	<i>Diseases of the temporomandibular joint and chewing muscles. Habitual dislocations in the joint. Arthritis. Arthrosis.¹</i> Arthrosis. Etiology, pathogenesis. clinical picture. Diagnostics. Differential Diagnosis. ² Part 3	2
1.	<i>Basic principles of complex treatment of diseases temporomandibular joint and masticatory muscles1</i> Algorithm for the complex treatment of diseases of the temporomandibular joint and masticatory muscles. Types of medical diagnostic devices. ² Part 1	2
	<i>Basic principles of complex treatment of diseases temporomandibular joint and masticatory muscles1</i> Methods of manufacturing of occlusal splints. ² Part 2	2
	<i>Basic principles of complex treatment of diseases temporomandibular joint and masticatory muscles1</i> Complications with the use of bite blocks and occlusal splints. ² Part 3	2
2.	<i>Methods for determining the central ratio of the jaws. Central relation of jaws, central and "habitual" occlusion1.</i> The central ratio of the jaws and the hinge axis of the articular heads. Central relation of jaws, central and "habitual" occlusion. The central ratio of the jaws and temporomandibular joint. ² Part 1	2
	<i>Methods for determining the central ratio of the jaws.</i>	2

	Central relation of jaws, central and "habitual" occlusion 1. Methods for determining the central ratio of the jaws. Materials for fixing the central ratio of the jaws. 2 Part 2	
	Methods for determining the central ratio of the jaws. Central relation of jaws, central and "habitual" occlusion 1. Checking the correctness of determining the central ratio of the jaws. 2 Part 3	2
3.	Restoration and preservation of occlusion in the restoration dentistry. Restoration of front teeth fixed prostheses, taking into account the registration of incisal paths. Gnathological basics of occlusal modeling surfaces. Modeling the occlusal surface with taking into account occlusal movements of the lower jaw. Tools and materials. 1 Restoration and preservation of occlusion in restorative dentistry. The use of articulators in the manufacture of laboratory work (inlays, veneers, removable and non-removable prostheses). 2 Part 1	2
	Restoration and preservation of occlusion in the restoration dentistry. Restoration of front teeth fixed prostheses, taking into account the registration of incisal paths. Gnathological basics of occlusal modeling surfaces. Modeling the occlusal surface with taking into account occlusal movements of the lower jaw. Tools and materials. 1 Restoration of front teeth with fixed dentures with taking into account the registration of incisal paths. Registration principles incisal path in the articulator. 2 Part 2	2
	Restoration and preservation of occlusion in the restoration dentistry. Restoration of front teeth fixed prostheses, taking into account the registration of incisal paths. Gnathological basics of occlusal modeling surfaces. Modeling the occlusal surface with taking into account occlusal movements of the lower jaw. Tools and materials. 1 Diagnostic wax modeling of restorations taking into account the "occlusal compass". Tools and materials. Markup and preparation of models. 2 Part 3	2
	Restoration and preservation of occlusion in the restoration dentistry. Restoration of front teeth fixed prostheses, taking into account the registration of incisal paths. Gnathological basics of occlusal modeling surfaces. Modeling the occlusal surface with taking into account occlusal movements of the lower jaw. Tools and materials. 1 The sequence of modeling elements of the occlusal surface. 2 Part 4	1
4.	Occlusion of dentures on implants. 1 Examination of patients before implantation. Planning designs on implants. Features of prosthetics on implants. 2 Part 1	2
	Occlusion of dentures on implants. 1 The choice of types of occlusion in various clinical situations. 2 Part 2	2
	Occlusion of dentures on implants. 1 The basic principles of the design of prostheses on implants. Risk factors for prosthetics on implants. Causes of complications. 2 Part 3	
5.	Medical errors in the clinic of orthopedic dentistry, their prevention, elimination of consequences. 1 Mistakes and complications at the stages of orthopedic treatment fixed dentures: errors and complications on stages of manufacturing veneers, causes, remedies; errors and complications at the stages of inlay manufacturing; mistakes and complications at the stages of manufacturing pin stumps designs. 2 Part 1	2
	Medical errors in the clinic of orthopedic dentistry,	1

	<i>their prevention, elimination of consequences.</i> ¹ Mistakes and complications at the stages of manufacturing crowns and bridges. ² Part 2.	
	<i>Medical errors in the clinic of orthopedic dentistry, their prevention, elimination of consequences.</i> ¹ Mistakes and complications at the stages of orthopedic treatment with removable designs of prostheses. ² Part 3.	2
	Intermediate certification	2
	Total	60

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