Thematic plan of seminars
in the discipline " Modern technologies in orthopedic dentistry"
for students of the educational program
of the specialty 31.05.03. Dentistry
(specialist's level),
form of study resident
for the 2023-2024 academic year

№	Thematic blocks	Hours (academic)
1.	Modern methods of examination in orthopedic dentistry.[1]Clinical examination of patients at an orthopedic appointment. Analysis of diagnostic models in the articulator. Evaluation of static and dynamic occlusion.[2] Part 1	2
	Modern methods of examination in orthopedic dentistry. [1] Methods of studying the state of the masticatory muscles andtemporomandibular joint. Speech function diagnostics in orthopedic dentistry. [2] Part 2	2
	Modern methods of examination in orthopedic dentistry. [1] Analysis of aesthetic parameters in orthopedic dentistry.Radiation diagnostics in orthopedic dentistry. .[2] Part 3	2
2.	Modern trends in aesthetic orthopedic dentistry(veneers, inlays). Color detection. [1] Modern materials for aesthetic rehabilitation inorthopedic dentistry. Methods for determining the color of teeth.[2] Part 1	2
	Modern trends in aesthetic orthopedic dentistry(veneers, inlays). Color detection. [1] Orthopedic treatment of dental hard tissue pathology with inlays.Basic methods of manufacturing metal-free inlays. Fixing metal -free inlays. .[2] Part 2	2
	Modern trends in aesthetic orthopedic dentistry(veneers, inlays). Color detection. [1] Indications for the use of veneers. Features of dental preparation. Basic methods of making veneers. Features of veneers fixation. [2] Part 3	2
3.	Modern trends in aesthetic orthopedic dentistry(crowns, bridges, cable-stayed prosthetics). [1] Metal -free technologies for manufacturing crowns and bridges: pressed ceramics, glass ceramics, manufacturing structuresby milling. [2] Part 1	2
	Modern trends in aesthetic orthopedic dentistry(crowns, bridges, cable-stayed prosthetics).[1]	2

	Cable-stayed and adhesive-fixed bridge prostheses: indications,materials, types, manufacturing technology.[2] Part 2	
	Modern trends in aesthetic orthopedic dentistry(crowns, bridges, cable-stayed prosthetics).[1] Adhesive-fixed bridge prostheses: indications, materials,types, manufacturing technology.[2] Part 3	2
4.	CAD / CAM technologies in orthopedic dentistry. [1] Concept of CAD / CAM system. Laboratory CAD / CAM systems. Clinical CAD / CAM systems.[2] Part 1	2
	CAD / CAM technologies in orthopedic dentistry.[1] Materials for structures produced by CAD / CAM systems.Method of obtaining the CEREC optical impression.[2] Part 2	2
	CAD / CAM technologies in orthopedic dentistry.[1] Algorithm of CAD/CAM operation in the manufacture of various designs of dentures.[2] Part 3	2
5	CEREC system.[1] Method of obtaining the CEREC optical impression.[2] Part 1	2
	CEREC system.[1] User interface of the CEREC 3D system. Stage of modeling,features.[2] Part 2.2	2
6.	Modern materials for fixing metal -free structures. Protocol of adhesive fixation.[1] Modern glass-inomer cements for fixing metal -free orthopedic structures. Composition and properties. Advantages and disadvantages.[2] Part 1	2
	Modern materials for fixing metal -free structures.Protocol of adhesive fixation.[1] Modern adhesive composite cements. Features.Advantages and disadvantages. Protocol for fixing structures using adhesive compositecements.[2] Part 2	2
	Modern materials for fixing metal -free structures.Protocol of adhesive fixation.[1] Modern self-adhesive composite cements. Composition and properties.Method of application. [2] Part 3	2
7.	Modern technologies for manufacturing removable plate prostheses (thermoplastics, injection molding.[1] Types of thermoplastic materials. Physical and chemical properties of thermoplastics.[2] Part 1	2
	Modern technologies for manufacturing removable plate prostheses (thermoplastics, injection molding). [1] Indications for the manufacture of prostheses made of thermoplastic materials.Prosthetic manufacturing technology.[2] Part 2	2

	Modern technologies for manufacturing removable plate prostheses (thermoplastics, injection molding).[1] Errors and complications in the manufacture of removable plate prosthesesmade of thermoplastics. Ways to identify and eliminate them. [2] Part 3	2
8.	Occlusal splints. [1] Classification of occlusal devices. Mechanism of action of the occlusal splint. Methods of manufacturing an occlusal splint. Materials. [2] Part 1	2
	Occlusal splints. [1] Registration of interocclusal ratio. Types of deprogramming devices.[2] Part 2	2
	Intermediate certification	2
	Total	48

[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