

## Faculty of Dentistry, Study program 0911.1 Stomatology

Name of the discipline	CLINICAL SYNTHESSES IN ORTHODONTICS: TRAINING BASED ON CLINICAL CASES		
Type	Optional		Credits 1
Year	V		Semester IX
Total hours	Course	10	Practical work 10
	Seminars		Individual work 10
Type of the course	Specialized		
Responsible for the discipline	Trifan Valentina, PhD, associate professor Cazacu Igor, university assistant		
Location	mun. Chişinău, strada Mihai Viteazul 1, Republica Moldova Clinica Stomatologică Universitară Nr.2, etajul II;		
Prior conditions and requirements	Good knowledge of the subject is required in the field of fundamental medicine, therapeutic dentistry, orthopedic dentistry, oral and maxillofacial surgery, etc.		
	Skills: basic digital skills (internet usage, document processing, use of text editors, spreadsheets, and presentation software); communication and teamwork abilities.		
The mission of the curriculum	Theoretical and practical training of students on the prevention, diagnosis, clinical manifestations and treatment of dento-maxillary abnormalities according to the reference plans.		
Thematic plan	<ol style="list-style-type: none"> <li>1. Profile teleradiography and model study in mixed and permanent dentition.</li> <li>2. Complications of orthodontic treatment according to age.</li> <li>3. Types of anchorage in orthodontic treatment.</li> <li>4. Congenital malformations of the face and jaws. Prevalence and incidence of malformations at national and international level.</li> <li>5. Introduction to temporomandibular joint dysfunctions. Age-related peculiarities.</li> </ol>		
Study finalization	<ul style="list-style-type: none"> <li>• be able to perform the exo-oral and endo-oral clinical examination in patients with sagittal malocclusion in children of various ages;</li> <li>• to perform the impressions of both jaws with alginate masses, casting the study and work patterns, matching them and knowing the planning objectives of the treatment plan;</li> <li>• to know modern impressions and adhesives for making orthodontic constructions according to the clinical case and the age of the patient;</li> <li>• to make optimal decisions in providing orthodontic assistance to children with sagittal malocclusions;</li> <li>• to apply the methods of psychological knowledge in the professional activity and in the everyday life of children in different age groups;</li> <li>• to know various ways of psychological and moral support of children in the treatment of dento-maxillary anomalies.</li> </ul>		
Practical skills acquired	<ul style="list-style-type: none"> <li>• know the objectives of orthodontics;</li> <li>• be aware of etiology, pathogenesis, clinical manifestations, methods of diagnosis and treatment of physiological and pathological dental occlusions according to the reference plans.</li> <li>• establish psychological and verbal contact with children of different ages;</li> <li>• establish contact with parents in the treatment of children;</li> <li>• perform palpation of soft tissues and facial bones, lymphoid nodes, salivary glands;</li> <li>• perform the clinical examination of the orthodontic patient;</li> <li>• determine symmetry and proportionality of the face, anthropometric indices;</li> <li>• perform sounding, percussion and appreciation of tooth mobility;</li> <li>• complete the dental formula in children of different ages;</li> <li>• possess the determination of static and dynamic occlusion in orthodontic patients;</li> <li>• identify and interpret biometric indices on the study model;</li> <li>• apply diagnostic methods of dento-maxillary anomalies in children and adolescents;</li> <li>• interpret contact radiographs, orthopantomograms, results of cephalometry;</li> <li>• perform selective sanding as a method of interceptive treatment;</li> </ul>		

	<ul style="list-style-type: none"> <li>• perform dental arches impressions;</li> <li>• perform casting and tethering of diagnostic models;</li> <li>• have space maintainer adjustment;</li> <li>• apply the knowledge gained in assessing clinical tests;</li> <li>• solve clinical situation problems.</li> <li>• appreciate the importance of Orthodontics in the context of Medicine;</li> <li>• to address creatively the problems of fundamental and clinical medicine;</li> <li>• determine the interrelations between Orthodontics and other clinical disciplines;</li> <li>• have skills to implement and integrate knowledge gained in clinical disciplines;</li> <li>• be able to objectively evaluate and self-assess the knowledge in the field of dentistry;</li> <li>• be able to assimilate and apply new achievements in Orthodontics;</li> <li>• be able to implement the knowledge gained in the research activity;</li> <li>• be competent to use critical and reliable scientific information obtained using the new information and communication technologies;</li> <li>• be able to use multimedia technology to receive, evaluate, store, produce, present and exchange information;</li> <li>• be able to acquire the totality of the didactic material, which will contribute to the management of the professional path.</li> </ul>
Evaluation method	Exam