

Faculty of Dentistry, Study program 0911.1 Stomatology

Name of the discipline	Objectives of diagnostics of dento-maxillary anomalies according to dentition		
Type	Optional		Credits 1
Year	IV		Semester VIII
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 Zumbreanu Irina, 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 in the prevention, diagnosis, clinical manifestations and treatment of dento-maxillary anomalies according to dentition.		
Thematic plan	<ol style="list-style-type: none"> 1. Clinical examination of the orthodontic patient. Subject assessment, history and clinical facial examinations according to age. 2. Functional examination of the dento-maxillary apparatus. Practical value and age-dependent peculiarities. 3. Photographic examination in orthodontics. Techniques, incidences. Photometric peculiarities according to age. 4. Radiologic examination in orthodontics. Intraoral and extraoral film varieties. Computed tomography. Practical value, advantages and disadvantages. 5. Biometric studying of the dental casts. Stages and techniques. Particular features according to dentition. 		
Study finalization	<ul style="list-style-type: none"> • be able to perform the clinical extraoral and intraoral examination of children of different ages; • be able to make impressions of both maxillae with alginate impression materials, cast study and working models, base them and know the objectives of the treatment plan; • be familiar with modern impression materials and adhesives for the fabrication of orthodontic constructions according to the clinical case and the patient's age; • to formulate optimal decisions in providing orthodontic care for children with malocclusion; • to know various ways of psychological and moral support of children in the treatment of dento-maxillary anomalies; • be competent to use critically and confidently the scientific information obtained using new information and communication technologies. 		
Practical skills acquired	<ul style="list-style-type: none"> • the fundamentals of orthodontics; • the aetiology, clinical manifestations and diagnostics, methods of diagnosis of physiological and pathological dental occlusions according to reference planes. • To establish psychological and verbal contact with children of different ages; să stabilească contactul cu părinții în tratamentul copiilor; • To perform palpation of soft tissues, lymph nodes, and salivary glands; • To conduct a clinical examination of orthodontic patients; • To assess facial symmetry, proportionality, and anthropometric indices; • Conduct dental probing, percussion, and evaluate tooth mobility; • To determine dental formulas for children of different ages; • Determine occlusion in static and dynamic states; • To interpret biometric model indices in reference planes; • To apply diagnostic methods for dentomaxillary anomalies in children and 		

	<p>adolescents;</p> <ul style="list-style-type: none"> • To interpret radiographic images, including panoramic X-rays and cephalometric analyses. • To address orthodontic issues creatively; • To correlate orthodontics with other clinical disciplines; • To evaluate and apply knowledge in the interdisciplinary context; • To assess scientific information critically and confidently; • To implement and integrate orthodontic knowledge into research activities; • To use multimedia and digital technologies to collect, analyze, and present orthodontic data. • To be able to master the full range of teaching material, which will contribute to career path management.
Evaluation method	Exam