

## Faculty of Stomatology, Study program 0911.1 Stomatology

Name of discipline	<b>Oral implantology</b>		
Type	Mandatory	Credits	3
Year of study	IV		Semester VIII
Number of hours	Course	16	Practical work
	Seminars	16	Practical training
Component	Specialized		
Course holder	<b>Mostovei Andrei</b>		
Location	Dental clinics of Department of OMF surgery and oral implantology „Arsenie Guțan”		
Conditionings and prerequisites of:	Program : basic knowledge in related disciplines such as: anatomy, physiology, pharmacology, psychology, ethics.		
	Competences: basic digital skills (use of the internet, document processing, use of text editors, electronic tables and applications for presentations), communication skills and teamwork.		
Mission of the discipline	This course aims to study the introductory concepts related to dental implants, the assimilation of knowledge related to diagnosis in oral and maxillofacial implantology, the study of implant components, the stages of implant insertion, bone reconstruction in implantology and the study of endosseous implant maintenance.		
Presented topics	<ol style="list-style-type: none"> <li>1. Instruments and devices used in oral implantology. Medical chart of patients with dental implants. Presentation of implants' types and their components.</li> <li>2. Local and general aspects in patients subjected to implant placement surgery. Clinical and anatomical evaluation of dental arches, soft and hard tissue conditions.</li> <li>3. Paraclinical evaluation of periimplant conditions. Implant-prosthetic treatment planning. Application of surgical guides for dental implant placement.</li> <li>4. Diagnostic peculiarities, indications and contraindications in oral implantology. History of oral implantology. Osseointegration. Success and survival rates. Conventional method of implant placement (Branemark). Biological width concept. Implant stability and assessment methods.</li> <li>5. Current surgical techniques in oral implantology. Post-extraction implant placement.</li> <li>6. Biomaterials used in oral implantology, properties and indications. Guided bone regeneration techniques in severely atrophied bone crests.</li> <li>7. Options of maxillary sinus floor elevation.</li> <li>8. Accidents, incidents and complications in oral implantology. Loading conditions and protocols.</li> </ol>		
Study purposes	<p>To know the specific terminology of oral implantology;</p> <p>To know and interpret the clinical picture and paraclinical investigations in implantology;</p> <p>To know the basic types of oral implants;</p> <p>To know the stages of oral rehabilitation on implants and insert at least one implant into the calf bone or simulator;</p>		

	<p>To know the accidents and complications that may occur in oral implantology;</p> <p>To know the principles of dispensarization of the patient carrying implants;</p> <p>To be able to implement the knowledge gained in the work of a researcher;</p> <p>To be competent to make critical and reliable use of scientific information obtained using new information and communication technologies.</p>
Purchased practical tools	<ol style="list-style-type: none"> <li>1. Knowledge, understanding and use of specific terminology of oral implantology, as well as pathologies or types of edentations with indications to implantological surgical methods;</li> <li>2. Explanation and interpretation of the clinical picture and correct evaluation of laboratory investigations in implantology; to be able to use the instruments, devices and working equipment used in oral implantology. To possess the technique of inserting implants on the simulator;</li> <li>3. Elaboration of a diagnostic plan and choice of optimal surgical methods in oral implantology; knowledge and simulation of the principles of surgical techniques of implant insertion and preimplantation surgery; knowledge of the principles of sinus floor lifting, techniques used, augmentation materials used;</li> <li>4. Analysis of radiological cliches, evaluation and description of anatomical formations based on computed tomography with conical beam and establishment of an implant-prosthetic treatment plan.</li> <li>5. To know both intraoperative and postoperative errors and complications in implant treatment and methods of their prevention. Knowledge of how to care for the patient and the postoperative wound .</li> </ol>
Assessment form	Exam