

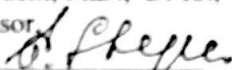



CD 8.5.1 DISCIPLINE CURRICULUM


EDITION: 06
DATE: 20.09.2017

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FACULTY OF STOMATOLOGY
STUDY PROGRAM 0911.1 STOMATOLOGY
CHAIR OF STOMATOLOGICAL PROPAEDEUTICS „PAVEL GODOROJA”

APPROVED
at the meeting of the Committee for Quality Assurance and the evaluation of the Curriculum Faculty of Stomatology
Minutes No. 2 of 13.02.2018
Committee President, PhD., DMS., Associate professor,
Stepco Elena 

APPROVED
at the Council meeting of the Faculty of Stomatology
Minutes No. 6 of 20.02.2018
Dean of Faculty of Stomatology, PhD., DHMS., Professor,
Ciobanu Sergiu 

APPROVED
at the meeting of the chair of Stomatological Propaedeutics „Pavel Godoroja”
Minutes No. 3 of 20. 10.2017
Head of the chair, PhD., DHMS., Associate professor
Uncuța Diana 



CURRICULUM

DISCIPLINE: **MODERN IMPRESSION TECHNIQUES OF THE PROSTHETIC AREA**

Integrated studies

Type of course: **Optional discipline**

Chișinău, 2017



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I. PRELIMINARIES

• **General presentation of the discipline: the place and role of the discipline in the formation of the specific competences of the vocational / specialty training program**

“Modern Impression Techniques of the Prosthetic Area ” is a compartment of the Propedeutics of Prosthetic Dentistry and has an important role in performing any prosthetic treatment.

The passing of the students' training from the preclinical stage to the clinical stage of dentistry is done by familiarizing them with the modern materials and techniques of impression for the manufacture of various indirect restorations.

Doctor's guidance and knowledge of modern prosthetic area impression techniques within the dentist's office is an important stage in the development of future specialists and is an indispensable compartment of modern dentistry.

Mission of the curriculum (purpose) in vocational training

The optional discipline " Modern Impression Techniques of the Prosthetic Area " aims to integrate the knowledge gained by future dentists in the compulsory disciplines of dental care in order to provide effective, harmless dental care in prosthetic treatment with various types of prostheses.

At the same time, the modern methods of impression techniques within the discipline aim to develop the skills and clinical thinking of the students oriented towards the accumulation of prosthetic skills and abilities in determining the optimal methods of prophylaxis, diagnosis and treatment of stomatognathic system dysfunctions.

- **Languages of teaching:** romanian, russian and english.
- **Beneficiaries:** students of the second year, the faculty of Stomatology.

II. DISCIPLINE ADMINISTRATION

Code of discipline	S.04.A.048		
Name of discipline	Modern impression techniques of the prosthetic area		
Responsible of discipline	Bajurea Nicolae, PhD, DMS., Associate professor Uncața Diana, Head of the chair, PhD., DHMS., Associate professor		
Year	II	Semester	IV
Total number of hours, including:			30
Lectures	20	Practical courses	-
Seminars	-	Individual work	10
Evaluation form	C	Number of credits	1

III. THE TRAINING OBJECTIVES OF THE DISCIPLINE

- **At the level of knowledge and understanding:**
 - ✓ be familiar with the notion of impression and the purpose of impression procedure;
 - ✓ to know how to use the impression materials and trays;



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- ✓ to know the impression techniques for fixed prosthesis;
- ✓ to know the methods and materials of gingival displacement for impression procedure;
- ✓ to know the one -step putty-wash impression technique;
- ✓ to know the two -step putty-wash impression technique;
- ✓ to know the Injection-molded putty-wash method of impression;
- ✓ to be familiar with the monophasic hydrocolloid impression technique;
- ✓ to know the dual –arch impression technique;
- ✓ to know the impression techniques for removal partial dentures;
- ✓ to know the impression techniques for complete dentures;
- ✓ to know the mucostatic impression technique;
- ✓ to know the mucodynamic impression technique;
- ✓ to know the compressive impression technique;
- ✓ to know the technique of anatomical impression;
- ✓ to know the technique of functional impression;
- ✓ to be familiar with the Schreinemakers method of impression;
- ✓ to know the impression technique by Herbst;
- ✓ to know the impression technique by Pedro Saizar;
- ✓ to be familiar with the impression technique by Y. Gilbert and M. Blandin;
- ✓ to be familiar with the impression techniques in implant-prosthetic treatment;
- ✓ to know the impression technique of the prosthetic area with close tray;
- ✓ to know the impression technique of the prosthetic area with open tray;
- **At application level:**
 - ✓ to distinguish the impression materials and their indications;
 - ✓ to be able to take an impression for fixed partial denture on the phantom model;
 - ✓ to be able to take an impression for removal partial denture on the phantom model;
 - ✓ to be able to take an impression for complete denture on the phantom model;
 - ✓ to be able to take an anatomical impression;
 - ✓ to be able to take a functional impression;
 - ✓ to be able to take an open tray impression in various clinical situations on the phantom model;
 - ✓ to be able to take a close tray impression in various clinical situations on the phantom model;
- **At the integration level:**
 - ✓ to assess the level of correctness and fidelity of the impression after the impression procedure;
 - ✓ to choose the correct impression material for impression procedure according to its purpose;
 - ✓ to ensure respect for professional ethics and deontology.

IV. PRECONDITIONS AND EXIGENCIES

Knowledge and observance of ethical-moral and professional norms in patient relations. Knowledge of the impression and the purpose of impression procedure. Knowing how to use impression materials and trays. Knowledge of impression techniques for fixed partial dentures. Knowing the methods and materials of gingival displacement for impression procedure. Knowledge of impression techniques for removable partial dentures. Impression techniques for complete dentures. Knowledge of mucostatic impression techniques. Knowledge of mucodynamic impression techniques. Knowledge of compressive impression techniques. Knowledge of anatomical impression technique. Knowledge of the functional impression technique. Knowledge of impression techniques in implant-prosthetic treatment. Knowledge of close -tray impression technique. Knowledge of open-tray impression technique.



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V. THEMES AND ORIENTATIVE DISTRIBUTION OF HOURS

Nr. d/o	THEME	Number of hours	
		Course s	Indivi dual
1.	Modern impression techniques of the prosthetic area.	1	
2.	Impression. Notion. Short history.	1	1
3.	Impression materials. Impression trays.	1	
4.	Impression techniques for fixed partial prosthesis.	1	1
5.	Methods and materials of gingival displacement for impression procedure.		
6.	The one -step putty-wash impression technique.	1	
7.	The two -step putty-wash impression technique.	1	
8.	The Injection-molded putty-wash method of impression. Materials and instruments.	1	1
9.	The monophase hydrocolloid impression technique.	1	1
10.	The dual –arch impression technique. Indications. Contrindications. Advantages. Desadvantages.	1	1
11.	The impression techniques for removal partial dentures.	1	
12.	The impression techniques for complete dentures.	1	1
13.	The mucostatic impression technique.	1	
14.	The mucodynamic impression technique.	1	1
15.	The compressive impression technique.	1	
16.	The technique of anatomical and functional impression. Necessary instruments and materials.	1	1
17.	The impression technique by Schreinemakers and Herbst.	1	
18.	The impression technique by Pedro Saizar, Y. Gilbert and M. Blandin.	1	1
19.	The impresssion techniques in implant-prosthetic treatment.	1	
20.	The impression technique of the prosthetic area with close tray.	1	1
	The impression technique of the prosthetic area with open tray.	1	
Total		20	10

VI. REFERENT OBJECTIVES AND CONTENT UNITS

Objectives	Content units
Modern impression techniques of the prosthetic area	
<ul style="list-style-type: none"> ✓ To know the notion of impression and the purpose of impression procedure; ✓ to know how to use the impression materials and trays; ✓ to know the impression techniques for fixed prosthesis; ✓ to know the methods and materials of gingival displacement for impression procedure; ✓ to know the one -step putty-wash impression technique; ✓ to know the two -step putty-wash 	Notion of impression and the purpose of impression procedure; Impression classification; Impression materials, impression trays; Methods and materials of gingival displacement: mechanically, chemically, surgically; The one -step putty-wash impression technique; The two -step putty-wash impression technique; The Injection-molded putty-wash impression method; The monophase hydrocolloid impression technique;



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Objectives	Content units
<ul style="list-style-type: none"> impression technique; ✓ to know the Injection-molded putty-wash method of impression; ✓ to be familiar with the monophasic hydrocolloid impression technique; ✓ to know the dual –arch impression technique; ✓ to know the impression techniques for removal partial dentures; ✓ to know the impression techniques for complete dentures; ✓ to know the mucostatic impression technique; ✓ to know the mucodynamic impression technique; ✓ to know the compressive impression technique; ✓ to know the technique of anatomical impression; ✓ to know the technique of functional impression; ✓ to be familiar with the Schreinemakers method of impression; ✓ to know the impression technique by Herbst; ✓ to know the impression technique by Pedro Saizar; ✓ to be familiar with the impression technique by Y. Gilbert and M. Blandin; ✓ to be familiar with the impression techniques in implant-prosthetic treatment; ✓ to know the impression technique of the prosthetic area with close tray; ✓ to know the impression technique of the prosthetic area with open tray; 	<p>The dual –arch impression technique;</p> <p>The impression techniques for removal partial dentures;</p> <p>The impression techniques for complete dentures;</p> <p>The mucostatic impression technique;</p> <p>The mucodynamic impression technique;</p> <p>The compressive impression technique;</p> <p>The technique of anatomical impression;</p> <p>The technique of functional impression;</p> <p>The Schreinemakers method of impression;</p> <p>The impression technique by Herbst;</p> <p>The impression technique by Pedro Saizar;</p> <p>The impression technique by Y. Gilbert;</p> <p>The impression technique by M. Blandin;</p> <p>The impression techniques in implant-prosthetic treatment;</p> <p>The impression technique of the prosthetic area with close tray;</p> <p>The impression technique of the prosthetic area with open tray.</p>

VII. PROFESSIONAL SPECIFIC (SC) AND TRANSVERSAL (TC) COMPETENCES AND STUDY OUTCOMES

Professional competencies (specific) (SC)

SC1: Knowing the theoretical skills of impression materials and techniques of the prosthetic area.

SC2: The phantom simulation of the clinical and paraclinical examination of patients with different clinical forms of dental crown lesions and edentulous arches and the producing of different impression techniques for the varieties of restorations.

SC3: Selection of impression materials and techniques depending on the clinical situation and the



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type of treatment.

SC4: Evaluation and description of impression techniques in every nosological form of the stomatognathic system.

SC5: Understanding the impression techniques and their practical application as described.

SC6: Demonstration and application of knowledge gained in the evaluation of prosthetic area impression for various indirect restorations.

Transverse competencies (TC)

TC1: Applying professional evaluation standards, acting according to professional ethics, as well as the provisions of the legislation. Promoting logical reasoning, practical applicability, assessment and self-assessment in decision-making.

TC2: Performing activities and exercising the roles specific to team work within the endodontic office / department. Promoting the spirit of initiative, dialogue, cooperation, positive attitude and respect for others, empathy, altruism and continuous improvement of their own activities;

TC3: Systematically assessing personal skills, roles and expectations, applying self-assessments to learned processes, acquired skills and professionalism needs, effective use of language skills, knowledge in information technologies, research and communication skills to deliver quality services and adapting to the dynamics of policy requirements in health and for personal and professional development.

Study finalizations

At the end of the course, the student will be able to:

- ✓ to know how to use the impression materials and impression trays;
- ✓ to know the impression techniques for fixed prosthesis;
- ✓ to be familiar with impression techniques for movable partial dentures;
- ✓ to know the impression techniques for complete dentures;
- ✓ to be familiar with the impression techniques in implant-prosthetic treatment.



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VIII. STUDENT'S SELF-TRAINING

Nr.	Expected product	Implementation strategies	Assessment criteria	Implementation terms
1.	Working with informational sources	Reading the lecture or the material in the manual on the subject. Reflecting on the topic in the questions. Knowing and selecting additional information sources on the topic. Reading the text carefully and describe the essential content. Wording of generalizations and conclusions regarding the importance of the theme / subject.	The ability to extract the essentials. Interpretative skills. The ability to analyze and communicate the material accumulated on its own.	During the semester
2.	Solving case problems	Solving case problems, with argumentation of conclusions at the end of each lesson. Verification of the finalities and appreciation of their achievement. Selection of additional information, using electronic addresses and additional bibliography.	The quality of solving problems of situation and clinical case, the ability to formulate and interpret clinical and paraclinical data. Ability to analyze selected information from national and international professional websites.	During the semester
3.	Evaluation of perception (basic knowledge) in clinical and paraclinical examination of patients. Evaluation of methods of asepsis and antisepsis in endodontic cabinet / section. Each student will complete the patient's medical record, systematize the stages of the clinical examination and collect the anamnesis. Establish indications for paraclinical investigations, arguing their need.			



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IX. METHODOLOGICAL SUGGESTION FOR TEACHING-LEARNING-ASSESSMENT

✓ Teaching and learning methods used

When teaching the optional discipline **Modern Impression Techniques of the Prosthetic Area** different teaching methods are used, oriented towards the efficient acquisition and achievement of the objectives of the didactic process. Course classes (lectures) are provided for the discipline. Courses are held in the fourth semester by the course owner. As a teaching aid, the specialized manuals available in the university library, the methodological recommendations of the department's staff, tables, schemes, information sources in electronic format, national and international professional websites, etc. are available.

Learning methods are recommended: learning theoretical material after lecture and manually; observation - identifying the characteristic features of doctor-patient communication; analysis - in the use of clinical and paraclinical examination methods of patients, as well as methods and stages of prevention, asepsis and antisepsis; comparison - analysis by comparison of the methods of collecting the anamnesis, of the paraclinical examination methods according to their advantages and disadvantages; elaboration of the algorithm - selection of the mandatory elements and elaboration of the patient consultation algorithm; modeling - identifying and selecting the elements needed to model situations when consulting patients, formulating conclusions, arguing, and making the final decision.

✓ *Applied teaching strategies / technologies (specific to the discipline)*

Face-to-face, individual, brainstorming, group discussion, clinical case analysis, teambuilding, clinical exam simulation, mini-research, comparative analysis.

✓ *Methods of assessment (including the method of final mark calculation)*

✓ **Final:** colloquy.

X. RECOMENDED LITERATURE:

A. Mandatory:

1. Nicolae V. Restaurări protetice în implantologia orală. Sibiu, 2009.
2. Bratu D., Nussbaum R. Bazele clinice și tehnice ale protezării fixe. București, 2009.
3. Bratu D., Bratu E., Antonie S. Restaurarea edentațiilor parțiale prin proteze mobilizabile. București, 2008.
4. Misch C. Contemporary Implant Dentistry, 2007, 626p.

B. Suplimentary:

1. Deviprasad Nooji, Suresh Sajjan M.C. Impression Techniques for Fixed Partial Dentures. Germany, 2014,134p.
2. Sabău Mariana, Nicolae Vasile, Smarandache Andrea, Dumitra Dana, Sas Albertina. Tratatamentul edentației totale: clasic și modern. Sibiu 2009.