

## FIȘA DISCIPLINEI

### 1. Date despre program

|   |   |
|---|---|
| 1.1 Instituția de învățământ superior         | <b>UNIVERSITATEA DE MEDICINA SI FARMACIE "VICTOR BABEȘ" TIMIȘOARA</b> |
| 1.2 Facultatea                                | <b>FACULTATEA DE MEDICINĂ DENTARĂ</b>                                 |
| 1.3 Departamentul                             | 1MD   |
| 1.4 Domeniul de studii de ..... <sup>1)</sup> | Health + Sectorial Regulations in the European Union                  |
| 1.5 Ciclu de studii <sup>2)</sup>             | Licență   |
| 1.6 Programul de studii/Calificarea           | Dental Medicine   |

### 2. Date despre disciplină

|  |   |               |          |                       |                   |                         |                              |           |
|--|---|---------------|----------|-----------------------|-------------------|-------------------------|------------------------------|-----------|
| 2.1. Denumirea disciplinei               | <b>Special Periodontal Surgery</b>      |               |          |                       |                   |                         |                              |           |
| 2.2 Titularul activităților de curs      | Prof.Dr.Dr.med.dent.Stefan-Ioan Stratul |               |          |                       |                   |                         |                              |           |
| 2.3 Titularul activităților de laborator | -                                       |               |          |                       |                   |                         |                              |           |
| 2.4 Anul de studiu                       | <b>VI</b>                               | 2.5 Semestrul | <b>I</b> | 2.6 Tipul de evaluare | <b>COLLOQUIUM</b> | 2.7 Regimul disciplinei | Conținut <sup>3)</sup>       | <b>DS</b> |
|  |   |               |          |                       |                   |                         | Obligativitate <sup>3)</sup> | <b>DO</b> |

### 3. Timpul total estimat (ore pe semestru al activităților didactice)

|  |   |                      |           |                    |     |
|--|---|----------------------|-----------|--------------------|-----|
| 3.1 Număr de ore pe săptămână  | <b>2</b>  | 3.2 din care: course | <b>2</b>  | 3.3 stagii clinice | -   |
| 3.4 Total ore din planul de învățământ   | <b>28</b>   | 3.5 din care: course | <b>28</b> | 3.6 stagii clinice | -   |
| Distribuția fondului de timp   |   |                      |           |                    | ore |
| Studiul după manual, suport de curs, bibliografie și notițe                                    |   |                      |           |                    | 0   |
| Documentare suplimentară în bibliotecă, pe platformele electronice de specialitate și pe teren |   |                      |           |                    | 0   |
| Pregătire seminarii/ laboratoare/ proiecte, teme, referate, portofolii și eseuri               |   |                      |           |                    | 0   |
| Tutoriat   |   |                      |           |                    | 0   |
| Examinări  |   |                      |           |                    | 2   |
| Alte activități  |   |                      |           |                    |     |
| <b>3.7 Total ore studiu individual</b>   | 0<br>(1 credit DO x 30, minus 28 curs, minus 2 examen teoretic = 0) |                      |           |                    |     |
| <b>3.8 Total ore pe an</b>   | <b>28</b>   |                      |           |                    |     |
| <b>3.9 Numărul de credite<sup>5)</sup></b>   | <b>1</b>  |                      |           |                    |     |

### 4. Precondiții (acolo unde este cazul)

|                   |  |
|-------------------|--|
| 4.1 de curriculum | Anatomy, Oral Pathology, Biophysics, Endodontology |
| 4.2 de competențe | Not applicable                                     |

### 5. Condiții (acolo unde este cazul)

|                               |   |
|-------------------------------|---|
| 5.1 de desfășurare a cursului | <ul style="list-style-type: none"> <li>The course is taught in English</li> <li>Mobile telephones will be switched off or kept on silence during the class; students cannot leave the room to take phone calls;</li> <li>Students arriving after the teacher will not be allowed to attend the class;</li> <li>Attendance to the course is mandatory; a certain number of absences will be tolerated, according to the Regulations of the University</li> <li>The class room must be provided with laptop, projector, interactive board.</li> </ul> |
|-------------------------------|---|

|  |   |
|--|---|
| 5.2 de desfășurare a seminarului/ laboratorului/ proiectului | - |
|--|---|

## 6. Competențe specifice acumulate

|                                |   |
|--------------------------------|---|
| <b>Competențe Profesionale</b> | <ol style="list-style-type: none"> <li>1. Knowing the external, internal anatomy of periodontium.</li> <li>2. Knowing the sequence of surgical treatment planning procedures, conservative and restorative procedures of the periodontal patient.</li> <li>3. Understanding the basic principles of periodontal surgery.</li> <li>4. Understanding basic principles of ergonomy of the work in the dental office.</li> <li>5. Understanding basic technological principles of medical devices, with emphasis on magnification devices.</li> <li>6. Understanding basic notions of dental practice management and marketing.</li> <li>7. Acquiring the essential aspects related to specific step 3 periodontal therapy.</li> </ol>  |
| <b>Competențe transversale</b> | <ol style="list-style-type: none"> <li>1. Identification of the roles and responsibilities in a pluridisciplinary team; employing of relationing techniques and efficient team working, to facilitate future interdisciplinary collaborations within the dental specialty and with other medical specialties.</li> <li>2. Efficient use of informational, communication and assisted professional formation resources (Internet portals, software applications, databases, online courses etc.) available in all international languages.</li> <li>3. Identifications of the objectives, of the resources, of the requirements to complete the objectives, of the working phases, of the timeline, of the deadlines and of the risks.</li> <li>4. Initiation of research activities in Periodontology, Conservative and Restorative Dentistry, also in connection with other dental and medical specialties.</li> </ol> |

## 7. Obiectivele disciplinei (reieșind din competențele specifice acumulate)

|                                       |  |
|---------------------------------------|--|
| 7.1 Obiectivul general al disciplinei | Acquiring the fundamental and special aspects/notions in Periodontal surgery.  |
| 1.2 Obiectivele specifice             | <ol style="list-style-type: none"> <li>2 Knowing the external, internal anatomy of periodontium.</li> <li>3 Knowing the sequence of surgical treatment planning procedures, conservative and restorative procedures at the periodontal patient.</li> <li>4 Understanding the basic principles of periodontal surgery.</li> <li>5 Understanding basic principles of ergonomy of the work in the dental office.</li> <li>6 Understanding basic technological principles of medical devices, with emphasis on magnification devices.</li> <li>7 Understanding basic notions dental practice management and marketing.</li> <li>8 Acquiring the essential aspects related to specific step 3 periodontal therapy.</li> </ol> |

## 8. Conținuturi

| 8.1 Curs   | Metode de predare  | Număr de ore | Observații |
|--|--|--------------|------------|
| 1. The early history of periodontal surgery. Elements of surgical anatomy of the periodontium. Step 3 (surgical) in the periodontal treatment plan. Indications of periodontal surgery. Objectives, results and benefits of periodontal surgical therapy | <ol style="list-style-type: none"> <li>1. Short interactiv ppt presentations and educational presentations, movies on CDs</li> <li>2. Direct examination and testing of the magnification devices and of microsurgical instruments</li> <li>3. Practical exercises on extracted teeth and on animal tissue models under the DOM</li> <li>4. Live demonstrations of clinical procedures of endodontology and periodontal microsurgery by the clinical teacher and by the course director</li> </ol> | 2            |            |
| 2. Efficiency of step 3 vs step 2 in treatment of periodontitis. The Gothenburg studies & The University of Nebraska studies. The critical probing depth. The decision in the selecting of the surgical technique.                                       | <ol style="list-style-type: none"> <li>5. Direct assistance of the student in microsurgical interventions</li> <li>6. Case presentations by clinical teachers.</li> </ol>  | 2            |            |

|  |  |   |  |
|--|--|---|--|
| 3. Classification of surgical techniques in Periodontology. General principles of periodontal surgery. The periodontal surgical instruments. Suture techniques in periodontal/mucogingival surgery.  |  | 2 |  |
| 4. Tissue attachment restorative procedures: gingival curettage; ENAP; open flap debridement ("open flap" curettage, modified Widman flap, non-displaced flap ("with internal bevel") & palatal flap   |  | 2 |  |
| 5. Gingival resective surgery. (gingivectomy). Bone resective surgery (apically repositioned flap with bone resective surgery). Resective procedures addressed to the roots of pluriradicular teeth (resection and root amputation). Special resective procedures (excision of distal wedges, excision of sections of thickened mucosa of edentulous ridges) |  | 2 |  |
| 6. Bone resective surgery to expose subgingival cavities near the alveolar margin, reduction of intraosseous defects, tunneling of grade III furcations, resective surgery within root resections and amputations.   |  | 2 |  |
| 7. Bone resective surgery for coronal lengthening, for aesthetic purposes and for the prosthetic recovery of teeth with coronal insufficiency, Bone resective surgery with retention of ligament fibers  |  | 2 |  |
| 8. Advanced techniques of conventional periodontal surgery: papillary preservation, MIST, single flap.   |  | 2 |  |
| 9. Periodontal regenerative surgery techniques: Guided Tissue  |  | 2 |  |

|   |  |   |  |
|---|--|---|--|
| Regeneration, Guided Bone Regeneration  |  |   |  |
| 10. Periodontal soft tissue management in regenerative surgery techniques: new classification WWC2018. Frenectomy techniques. Techniques and materials for soft tissue augmentation.  |  | 2 |  |
| 11. Classical surgical techniques for root coverage   |  | 2 |  |
| 12. Modern surgical techniques for root coverage  |  | 2 |  |
| 13. Peri-implant mucogingival surgery. Techniques, indications, design, execution, healing  |  | 2 |  |
| 14. Postoperative care: success vs. failure. Notions of postsurgical care of the periodontal patient: periodontal dressing, pain management, treatment of root hypersensitivity. Treatment of infectious and non-infectious postoperative complications |  | 2 |  |

#### **Mandatory bibliography:**

1. Periodontology. Course support for English-speaking 6th year students of Dental Medicine.

#### **Facultative bibliography:**

1. Newman MG, Takei HH, Klokkevold PR, Carranza FA. Newman and Carranza's Clinical Periodontology, 13th Ed., Elsevier, W.B.Saunders Company, 2018.
2. Jan Lindhe, Niklaus P. Lang, editors. Clinical Periodontology and Implant Dentistry, 7th Edition, Wiley Blackwell, 2021.
3. Kenneth S. Kornman & Maurizio S. Tonetti (co-editors). Classification of Periodontal and Peri-Implant Diseases and Conditions. Proceedings of the World Workshop Jointly Held by the American Academy of Periodontology and the European Federation of Periodontology. J Clin Periodontol. 2018;45:45(Suppl 20) sau J Periodontol. 2018;89(suppl 1).
4. Sanz M, Herrera D, Kebschull M, Chapple I, Jepsen S, Berglundh T, Sculean A, Tonetti MS; EFP Workshop Participants and Methodological Consultants. Treatment of stage I-III periodontitis-The EFP S3 level clinical practice guideline. J Clin Periodontol. 2020 Jul;47 Suppl 22(Suppl 22):4-60.
5. Herrera D, Sanz M, Kebschull M, Jepsen S, Sculean A, Berglundh T, Papapanou PN, Chapple I, Tonetti MS; EFP Workshop Participants and Methodological Consultant. Treatment of stage IV periodontitis: The EFP S3 level clinical practice guideline. J Clin Periodontol. 2022 Jun;49 Suppl 24:4-71.
6. Nitin Saroch. Periobasics. A Textbook of Periodontics and Implantology, First edition, Sushrut Publications, 2017

|   |                            |                 |            |
|---|----------------------------|-----------------|------------|
| 8.2 Seminar/<br>Laborator /stagiu/<br>proiect | Metode de predare-învățare | Număr<br>de ore | Observații |
| -   | -                          | -               | -          |

**9. Coroborarea conținuturilor disciplinei cu așteptările reprezentanților comunităților epistemice, asociațiilor profesionale și angajatori reprezentativi din domeniul aferent programului**

After the systematic study of this program, Special techniques in Periodontal Surgery the student will have to be able to correctly examine the periodontal patient, to establish the periodontal and peri-implant diagnosis, and treatment plan.

The content of the training program in Special techniques in Periodontal surgery is adapted to the rich periodontal pathology existing at the level of the Romanian population of all ages and is regulated by European standards for the university and postgraduate level of the European Federation of Periodontology (EFP), standards that have also served when creating the undergraduate curriculum at the Faculty of Dental Medicine from UMFVB Timisoara. Currently, there is a very good didactic coordination of the study of Periodontology both at the undergraduate and postgraduate level between the homologous Disciplines from UMFVB Timisoara, UMFIH Cluj-Napoca, UMFGr.T.Popa from Iasi and the University of Craiova . Currently, in Romania, the practice of dental medicine exclusively in the private system makes medical units with the exclusive practice of Periodontology extremely rare. On the other hand, general dentists with good knowledge of periodontology and periodontology specialists are currently in high demand within multidisciplinary collectives (private clinics) of dental medicine, both in Romania and abroad, and knowledge of periodontal surgery is a valuable plus

**10. Evaluare**

|                                    |  |                                     |                              |
|------------------------------------|--|-------------------------------------|------------------------------|
| Tip activitate                     | 10.1 Criterii de evaluare  | 10.2 Metode de evaluare             | 10.3 Pondere din nota finală |
| 10.4 Curs                          | <p><i>Cunoștințe pentru nota 5:</i><br/>50% of the MQ test correctly answered, according to the Examination Regulations of the University</p> <p><i>Cunoștințe pentru nota 10:</i><br/>90% of the MQ form correctly answered, according to the Examination Regulations of the University</p> | <i>Final evaluation:</i> colloquium | 100%                         |
| 10.6 Standard minim de performanță |  |                                     |                              |
| -                                  |  |                                     |                              |

|   |   |                                 |
|---|---|---------------------------------|
| Data completării                          | Semnătura titularilor de curs             | Semnătura titularului de stagiu |
| 26.04.2023                                | Prof.Dr. Dr.med.dent. Stefan-Ioan Stratul | -                               |
| Semnătura șefului de disciplină           |   |                                 |
| Prof.Dr. Dr.med.dent. Stefan-Ioan Stratul |   |                                 |
| Data avizării în departament              | Semnătura directorului de departament     |                                 |

Notă:

- 1) Domeniul de studii - *se alege una din variantele:* Licență/ Masterat/ Doctorat (**se completează conform cu Nomenclatorul domeniilor și al specializărilor/ programelor de studii universitare în vigoare**) ;
- 2) Ciclul de studii - *se alege una din variantele:* Licență/ Master/ Doctorat;
- 3) Regimul disciplinei (conținut) - *se alege una din variantele:* **DF** (disciplină fundamentală)/ **DD** (disciplină din domeniu)/ **DS** (disciplină de specialitate)/ **DC** (disciplină complementară) - *pentru nivelul de licență;* **DAP** (disciplină de aprofundare)/ **DSI** (disciplină de sinteză)/ **DCA** (disciplină de cunoaștere avansată) - *pentru nivelul de masterat;*
- 4) Regimul disciplinei (obligativitate) - *se alege una din variantele:* **DI** (disciplină obligatorie)/ **DO** (disciplină opțională)/ **DFac** (disciplină facultativă);
- 5) Un credit este echivalent cu 25 – 30 de ore de studiu (activități didactice și studiu individual).
- 6) Pentru specializările și/sau disciplinele a căror tematică se regăsește în bibliografia de rezidențiat, aceasta devine obligatorie.