



## DISCIPLINE SHEET

### 1. Study programme

<b>1.1.</b>	<b>"CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST</b>
<b>1.2.</b>	<b>FACULTY OF DENTISTRY</b>
<b>1.3.</b>	<b>DEPARTMENT DENTISTRY II</b>
<b>1.4.</b>	<b>DISCIPLINE ANATOMICAL PATHOLOGY</b>
<b>1.5.</b>	<b>STUDY DOMAIN: Health, sectoral regulated within the European Union</b>
<b>1.6.</b>	<b>STUDY LEVEL: I (Bachelor's degree) and II (Master's degree)</b>
<b>1.7.</b>	<b>STUDY PROGRAMME: DENTAL MEDICINE IN ENGLISH</b>

### 2. Discipline

<b>2.1.</b>	<b>Discipline name according to the study curriculum:</b> <b>NON-INFLAMMATORY HISTOPATHOLOGY OF THE DENTAL TISSUES</b>				
<b>2.2.</b>	<b>Discipline code: MD03OP16EN</b>				
<b>2.3.</b>	<b>Discipline type (FD/SD/CD): -</b>				
<b>2.4.</b>	<b>Discipline optionality (COD/ED/FAD): ED</b>				
<b>2.5.</b>	<b>Lectures tenure:</b> <b>Alexandra Bastian (MD, PhD)- Associate Professor</b> Sabina Zurac (MD, PhD) – Professor Luciana Nichita (MD, PhD) – Lecturer Claudiu Socoliuc (MD, PhD) – Lecturer Cristiana Gabriela Popp (MD, PhD) – Lecturer				
<b>2.6.</b>	<b>Practical classes / seminar tenure:</b> Luciana Nichita (MD, PhD) – Lecturer Claudiu Socoliuc (MD, PhD) – Lecturer Cristiana Gabriela Popp (MD, PhD) – Lecturer Liana Cătălina Sticlaru (MD, PhD) – Teaching assistant				
<b>2.7. Year of study</b>	<b>III</b>	<b>2.8. Semester</b>	<b>V</b>	<b>2.9. Evaluation (E/C/V)</b>	<b>C</b>

### 3. Estimated total time (hours/ semester of teaching and training activity /individual study)

<b>I. University training</b>						
<b>3.1. Number of hours per week</b>	<b>2</b>	<b>from which:</b>	<b>3.2. lecture</b>	<b>1</b>	<b>3.3. practical class/ seminar</b>	<b>1</b>
<b>3.4. Total hours in the study curriculum</b>	<b>28</b>	<b>from which:</b>	<b>3.5. lecture</b>	<b>14</b>	<b>3.6. practical class/ seminar</b>	<b>14</b>
<b>II. Preparation/ individual study</b>						
<b>Time distribution</b>						<b>hours</b>
<b>Study of lecture materials, textbooks, books, study of the minimum recommended bibliography</b>						<b>13</b>
<b>Additional documentation activity in the library, on online platforms</b>						<b>5</b>
<b>Specific preparation activities for projects, practical classes, preparation of assignments, reports</b>						<b>5</b>
<b>Preparation for presentations or evaluations, preparation for the final examination</b>						<b>5</b>

<b>Tutoring activity</b>	<b>2</b>
<b>Other activities</b>	<b>2</b>
<b>3.7. Total hours of individual study</b>	<b>32</b>
<b>3.8. Total hours per semester (3.4.+3.7.)</b>	<b>60</b>
<b>3.9. Number of credits</b>	<b>2</b>

#### 4. Prerequisites (where appropriate)

<b>4.1. curriculum</b>	<ul style="list-style-type: none"> <li>• Knowledge of anatomy</li> <li>• Knowledge of histology</li> <li>• Knowledge of biophysics</li> <li>• Knowledge of physiology</li> <li>• Knowledge of anatomical pathology</li> </ul>
<b>4.2. proficiencies</b>	Knowledge of anatomical pathology techniques

#### 5. Conditions (where appropriate)

<b>5.1. for lecture activity</b>	Amphitheater minimum 70 seats, computer, video projector
<b>5.2. for practical class/ seminar activity</b>	Practical work room with individual microscopes, multi-head microscope, computer

#### 6. Learning outcomes\*

<b>Knowledge</b>	<b>Skills</b>	<b>Responsibility and autonomy</b>
The student/graduate identifies, describes, and classifies the mechanisms of production of the studied diseases, risk factors, and the macroscopic and morphopathological aspects of the diseases.	The student/graduate correctly interprets and applies the fundamental notions regarding the mechanisms of production of the studied diseases, macroscopic and microscopic aspects, and methods for investigating biological functions.	The student/graduate integrates fundamental notions and methods of investigating biological functions, formulates and assumes reasoned conclusions regarding the general mechanisms of occurrence of diseases and macroscopic and microscopic aspects.

#### 7. Discipline objectives (correlated with learning outcomes)

<b>7.1. General objective</b>	- Understanding and mastering fundamental notions of oral pathology
<b>7.2. Specific objectives</b>	- Presentation of histopathological lesions in correlation with their physiopathological mechanisms and clinical manifestations - After the completion of the course, at its end, the students should be able to correctly present and describe all the conditions studied at the course (definition, identification and framing of the predominant histopathological lesion type, its causes, macroscopic aspects and microscopic appearance)

#### 8. Contents

<b>8.1. Lecture</b>	<b>Teaching methods</b>	<b>Observations</b>
<b>1.</b> Introductory course: Histopathology of the dental structures. Investigation methods. The main classes of diseases involving the dental structures.	Interactive presentation of the material according to the analytical program, using	
<b>2.</b> Dental malformations. Genetic syndromes and systemic diseases associated with dental malformations		

3. Cystic odontogenic lesions	multimedia means, power point presentations, didactic films	
4. Benign epithelial odontogenic tumors		
5. Benign mixed epithelial and mesenchymal odontogenic tumors		
6. Benign mesenchymal and malignant odontogenic tumors		
7. Non-tumoral lesions of the maxillary bones		

#### Recent bibliography:

1. Kumar V, Abbas A, Aster J. Robbins & Cotran Pathologic Basis of Disease – 10th ed., Elsevier, 2020.
2. WHO Classification of Tumours Editorial Board. Head and neck tumours [Internet]. Lyon (France): International Agency for Research on Cancer; 2023. (WHO classification of tumours series, 5th ed.; vol. 9). Available from: <https://tumourclassification.iarc.who.int/chapters/52>.
3. Slootweg P, Dental Pathology – A Practical Introduction, 2the ed, Springer-Verlag, 2013.

#### Periodical publications:

1. Virchows Archiv – Official Journal of the European Society of Pathology, Springer.

8.2. Practical classes/ seminar	Teaching methods	Observations
1. Introductory course: Histopathology of the dental structures. Investigation methods. The main classes of diseases involving the dental structures.	Interactive exposition of the material according to the analytical program, using multimedia means, PowerPoint presentations, didactic slide sessions, examination of whole slide images	
2. Dental malformations. Genetic syndromes and systemic diseases associated with dental malformations		
3. Cystic odontogenic lesions		
4. Benign epithelial odontogenic tumors		
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## 9. Assessment

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage of final grade
9.4. Lecture	<p>Final evaluation-theoretical examination</p> <p><b>A. Knowledge for mark 5:</b></p> <ul style="list-style-type: none"> <li>- correct definition of all the studied conditions</li> <li>- no major errors</li> </ul> <p><b>B. Additional knowledge for mark 10</b></p>	Colloquium-grid type test	80%

	<ul style="list-style-type: none"> <li>- to present correctly all the studied medical conditions (definition, identification, framing and description of the predominant histopathological type of lesion, causes, macroscopic aspects, microscopic appearance)</li> <li>- to have deep knowledge of the histopathology of all the medical conditions studied</li> </ul>		
<b>9.5. Practical classes/ seminar</b>	<p><b>A. Knowledge for mark 5:</b></p> <ul style="list-style-type: none"> <li>- correct definition of all the studied conditions</li> <li>- no major errors</li> </ul> <p><b>B. Additional knowledge for mark 10</b></p> <ul style="list-style-type: none"> <li>- to identify correctly all the studied medical conditions (definition, identification, framing and description of the predominant histopathological type of lesion, causes, macroscopic aspects, microscopic appearance)</li> <li>- to have deep knowledge of the histopathology of all the medical conditions studied</li> </ul>	<b>grid type test</b>	<b>20%</b>
<b>9.5.1. Individual project (if any)</b>	-	-	-
<b>Minimum performance standard</b> - Basic knowledge of the studied lesions. No major mistakes			