



**“CAROL DAVILA” UNIVERSITY
OF MEDICINE AND PHARMACY BUCHAREST**
Faculty of Dentistry
Dental Medicine in English



DISCIPLINE GRID

1. Programme:

1.1.	CAROL DAVILA UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST
1.2.	FACULTY OF DENTISTRY/ 2 nd DEPARTMENT
1.3.	DIVISION: ENDOCRINOLOGY
1.4.	STUDY DOMAIN: Health, sectoral regulated within European Union
1.5.	STUDY LEVEL: LICENCE
1.6.	STUDY PROGRAMME: DENTAL MEDICINE IN ENGLISH

2. Discipline:

2.1.	DISCIPLINE NAME: Endocrinology						
2.2.	LOCATION: Institute of Endocrinology CI Parhon						
2.3.	Lectures tenure: Lecturer Dr. Iuliana Gherlan						
2.4.	Practical classes tenure: Lecturer Dr. Iuliana Gherlan, Teaching assistant Dr. Roxana Irina Roșca, Teaching assistant Dr. Loreta Guja						
2.5. Study year	III	2.6. Semester	VI	2.7. Evaluation	Exam	2.8. Type of discipline	CD/DD

3. Estimated total time (hours/semester)

No. hours/week	3	out of which	Lectures: 1	Laboratory session: 2
Total hours out of learning schedule	42	out of which	Lectures: 14	Laboratory sessions: 28

Time distribution	hours
Textbook study, lecture support, bibliography and notes	11
Supplementary documentation activity in the library, on online platforms	10
Practical activity support material, homework, portfolio and essays	10
Tutorial activity	-
Examinations	1
Other activities	1
Total hours of individual study	33
Total hours per semester	75
Credits	3

4. Precondition

4.1. curriculum	General Anatomy and Physiology
4.2. proficiencies	Role of hormones in human general physiology

5. Conditions

5.1. for lecture activity	Amphitheatres with audio-video presentation facilities , online education platforms
5.2. for laboratory/practical classes activity	Amphitheatre, salons, laboratories, online education platforms

6. Accumulated skills

6.1. Proficiencies (<i>knowledge and abilities</i>)	<ul style="list-style-type: none"> The course and clinical internship of endocrinology is aimed at the students of the Faculty of Dental Medicine to develop theoretical knowledge applicable in clinical practice related to the endocrine system
6.2. Transversal skills (<i>role, professional and personal development</i>)	<ul style="list-style-type: none"> Identifying roles and responsibilities in a multidisciplinary team and applying networking techniques and effective work within the team and in relation to the patient Efficient use of information sources and resources for communication and assisted vocational training

7. Objectives (based on the grid of acquired specific skills)

7.1. General Objective	<p>The course and clinical internship of endocrinology is aimed at the students of the Faculty of Dental Medicine to develop theoretical knowledge applicable in clinical practice related to the endocrine system, such as:</p> <ul style="list-style-type: none"> – avoiding prosthetic work in patients with active acromegaly; – the need for premedication with injectable glucocorticoids prior to buccal-maxillofacial surgery in patients with primary or secondary adrenal corticosteroid failure; – the risk of prolonged bleeding after tooth extraction in patients with severe untreated hypothyroidism or discontinuous treatment; – periodontal evaluation in patients with diabetes mellitus; – the risk of developing jaw necrosis in patients in bisphosphonate therapy.
7.2. Specific Objectives	<ul style="list-style-type: none"> – to understand the physiologic role of endocrine glands – to understand the mechanisms of major endocrine diseases and their influence in dental medicine – to understand the risk factors associated with major endocrine diseases in dental medicine

8. Content

8.1.Lecture	No. hrs/topic	Teaching method	Obs.
1. Introductory course	2	Interactive presentation of the material according to the analytical program, using multimedia means, Power-Point presentations.	
2. Pituitary and pituitary pathology	2		
3. Thyroid and thyroid pathology	2		
4. Thyroid pathology	2		
5. Pathology of calcium and phosphorus metabolism. Osteoporosis	2		
6. Adrenal and pathology of the adrenal glands	2		
7. Periodontal disease and diabetes mellitus	2		

8.2. Laboratory Session	No. hrs/topic	Teachingmethod	Obs.
1. Examination of the patient with endocrine disorders. Principle of methods and interpretation of hormonal dosages and imaging methods.	4	Case presentations, practical demonstrations	
2. Pituitary pathology	4		
3. Thyroid pathology – I	4		
4. Thyroid pathology - II	4		
5. Pathology of the adrenal glands - I	4		
6. Pathology of the adrenal glands - II	4		
7. Gonadic pathology	4		

8.3. Bibliography for lectures and laboratory/practical sessions
<ul style="list-style-type: none"> • Greenspan's Basic & Clinical Endocrinology, 10th Edition, Gardner DG și Shoback D (Eds), 2017. • Cushing's Syndrome. In: Harrison's Principles of Internal Medicine, Ediția 19 (2015). • Grigore D. Endocrinologie clinică, Editura Universitară Carol Davila, Ediția III, 2015. American Diabetes Association. Standards of Care in Diabetes—2023, <i>Diabetes Care</i> 46[Suppl 1], 2023. • Ghid de management al diabetului zaharat. Elaborat de către Societatea Română de Diabet, Nutriție și Boli Metabolice. 2023. • Dănciulescu Miulescu RE, Guja L, Socea B, Dumitriu A, Păunică S, Ștefănescu. Oral Pathology induced by excess or deficiency of glucocorticoids in adults. <i>Journal of Mind and Medical Sciences</i>, 7(2): 141-147, 2020. • Dănciulescu Miulescu R, Guja L. Oral pathology in overt thyroid diseases. <i>Proceedings of the Romanian Academy Series B: Chemistry, Life Sciences and Geosciences, Series B, ISSN 1454-8267</i>, 21(2): 125-129, 2019. • Melmed S, Auchus R, Goldfine A, Rosen C, Kopp P. <i>Williams Textbook of Endocrinology</i>, 15th Ed, Elsevier, 2024.

9. Corroborating the contents of the discipline with the expectations of epistemic community representatives, professional associations and employers in the fields representative for the program

The Endocrinology Discipline prepares students with a curriculum that meets the needs of patients. In this respect, the content of the courses in the discipline of Endocrinology is adapted from year to year to include the latest news in the field, with an attractive format, adapted to the permanent changes of society and its requirements.

10. Evaluation

Activity type	Evaluation Criteria	Methods of evaluation	% out of final grade
Lecture	<p>A. Knowledge for mark 5: Dental implications in endocrine pathology</p> <p>B. Additional knowledge for mark 10 In-depth knowledge of the information presented in the courses</p>	<p>Final exam The examination consists of a grid test and/or written questions</p>	90%
Laboratory Sessions	<p>A. Knowledge for mark 5: Communication, appropriate interaction with the patient with endocrine pathology</p>	<p>Summative evaluation throughout the semester Correct diagnosis and evaluation of appropriate treatment in the patient with endocrine pathology</p>	10%

	B. Additional knowledge for mark 10 Correct diagnosis and evaluation of appropriate treatment in the patient with endocrine pathology		
Minimum performance standards: to identify the major implications for oral health of endocrine pathologies discussed during the lectures.			

Date:
03.09.2024

Chair of Endocrinology Division,
Assoc. Prof. Dr. Rucsandra Elena Dănciulescu Miulescu

**Date of the approval in
Department Board:**

Department director,
Prof. Emeritus Dr. Alexandru Bucur