



**“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 / 1 st DEPARTMENT
1.3.	Division: ANATOMY
1.4.	Study domain: Healthcare – regulated sector within the EU
1.5.	Study level: BACHELOR'S DEGREE
1.6.	Study programme: DENTAL MEDICINE IN ENGLISH

2. Discipline:

2.1.	Discipline name: CROSS-SECTIONAL ANATOMY OF HEAD AND NECK						
2.2.	Location: Faculty of Medicine, 8 Eroii Sanitari Blvd.						
2.3.	Lecture tenure: Prof. Dr. Rusu Mugurel						
2.4.	Practical classes tenure: Assist. Dr. Bichir Cătălina						
2.5. Study year	I	2.6. Semester	II	2.7. Evaluation	Colloquium	2.8. Type of discipline	ED/FD

3. Estimated total time (hours/semester)

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

Time distribution	hours
Textbook study, lecture support, bibliography and notes	10
Supplementary documentation activity in the library, on online platforms	-
Practical activity support material, homework, portfolio and essays	10
Tutorial activity	-
Examinations	2
Other activities	-
Total hours of individual study	22
Total hours per semester	50
Credits	2

4. Preconditions

4.1. curriculum	Notions of head anatomy (Anatomy 2).
4.2. proficiencies	-

5. Conditions

5.1. for lecture activity	Online platform.
5.2. for laboratory activity	IT devices, online platform.

6. Accumulated skills

6.1.Proficiencies (<i>knowledge and abilities</i>)	Abilities acquired by the student: the student will be able of anatomic diagnosis using specific tools for dental medicine.
6.2 Transversal skills (<i>role, professional and personal development</i>)	Competent personal understanding of the anatomy required for specific practice.

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

7.1. General Objective	After studying this discipline, students will be able to identify the cervico-cephalic anatomical elements, their variations and physiological changes and will have essential anatomical knowledge in order to understand clinical and surgical anatomy.
7.2. Specific Objectives	It is proposed that at the end of the course students will be able to independently study elements of topographic anatomy, both normal and variational, to assimilate the concept of personalized anatomy for personalized stomatology. The anatomical training of the future practitioner is augmented by the anatomical-functional approach to the topics of this discipline.

8. Content

8.1. Lecture	No. hours/topic	Teaching method	Obs.
1. Transverse cross-sectional anatomy of the skull base.	2	1. Master class 2. Demonstrations 3. Exposure of the material according to the analytical program, using multimedia means, overhead projector, Power Point presentations, anatomical movies, Photoshop schemes, direct use of digital anatomical evaluations with specific programs.	
2. Coronal cross-sectional anatomy of the skull base.	2		
3. Cross-sectional rhinoanatomy.	2		
4. Maxillo-mandibular cross-sectional anatomy.	2		
5. Cross-sectional anatomy of the maxillary sinus.	2		
6. Maxillo-mandibular functional anatomy.	2		
7. Three-dimensional anatomy of the superficial and deep regions of the head.	2		

8.2. Laboratory sessions	No. hours/topic	Teaching method	Obs.
1. Cross-sectional anatomy of the craniocervical junction.	2	1. Master class 2. Demonstrations 3. Exposure of the material according to the analytical program, using multimedia means, overhead projector, Power Point presentations, Photoshop schemes, direct use of digital anatomical evaluations with specific programs.	
2. Cervical suprahyoid topographic and cross-sectional anatomy.	2		
3. Mid-cervical topographic and cross-sectional anatomy.	2		
4. Lower-cervical topographic and cross-sectional anatomy.	2		
5. Three-dimensional anatomy of the carotid arterial system.	2		
6. Superficial regions of the neck.	2		
7. Colloquium.	2		

8.3. Bibliography for lectures and practical classes
<ol style="list-style-type: none"> 1. Rusu, MC. MANUAL DIDACTIC (2021). 2. M.C.Rusu – Ghid de Anatomie CBCT pentru Medicina Dentară. Editura Eurobit Timișoara, 2020 3. http://anatomy.ro 4. Bichir C, Rusu MC, Vrapciu AD, Maru N. The temporomandibular joint: pneumatic temporal cells open into the articular and extradural spaces. <i>Folia Morphol (Warsz)</i>. 2019;78:630-36. 5. Carstocea L, Rusu MC, Matesica DS, Sandulescu M. Air spaces neighbouring the infraorbital canal. <i>Morphologie</i>. 2019. 6. Rusu MC, Dinca D. Accessory pterygoid fovea of the human mandibular condyle. <i>Cranio</i>. 2019:1-5. 7. Rusu MC, Pop F. The anatomy of the sympathetic pathway through the pterygopalatine fossa in humans. <i>Ann Anat</i>. 2010;192:17-22. 8. Rusu MC, Pop F, Curca GC, Podoleanu L, Voinea LM. The pterygopalatine ganglion in humans: a morphological study. <i>Ann Anat</i>. 2009b;191:196-202. 9. Rusu MC, Sandulescu M, Bichir C. Patterns of pneumatization of the tympanic plate. <i>Surg Radiol Anat</i>. 2020;42:347-53. 10. Rusu MC, Sandulescu M, Ciuluvica RC, Sendroiu VM, Didilescu AC. The extramandibular inferior alveolar nerve in cases with severely atrophic lower jaws. <i>Surg Radiol Anat</i>. 2012;34:277-9. 11. Rusu MC, Sandulescu M, Ilie OC. Infraorbital canal bilaterally replaced by a lateroantral canal. <i>Surg Radiol Anat</i>. 2015;37:1149-53. 12. Von Arx T, Lozanoff S. <i>Clinical Oral Anatomy: A Comprehensive Review for Dental Practitioners and Researchers</i>: Springer; 2016.

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

The first-year student is familiar with the application of personalized anatomical evaluation methods, in order to identify and prioritize health problems. The student's training aims at familiarizing and consolidating the clinical knowledge and skills for the adequate, holistic management of the clinical case and for ensuring the continuity of the medical act. The student's training aims to create an understanding of the role and functions of the human body, so that the future graduate can make correct, personalized decisions, at the level of stomatology and in the multidisciplinary teams.

10. Evaluation

10.1. Evaluation			
Activity type	Evaluation Criteria	Methods of evaluation	% out of final grade
Lecture	Knowledge of imaging, descriptive and topographic anatomy elements of the head and neck, in the normal and variational version	Colloquium	50%
Practical sessions			50%
Minimum performance standards			
To recognize in the cross-sectional and topographic anatomy the normal cervico-cephalic elements.			

Date:

Signature Lecturer,
Prof. Dr. Dr. Rusu Mugurel Constantin

Signature Lecturer,
Assist. Dr. Bichir Cătălina

Date of the approval in Department Board:

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Department director,
Prof. Dr. Marina Imre