DISCIPLINE GRID

1. Programme:

1.1.	**CAROL DAVILA UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST**
1.2.	**FACULTY of DENTISTRY / 1st DEPARTMENT**
1.3.	DIVISION: **ANATOMY**
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: Topographic, functional and cross-sectional anatomy of the head and neck						
2.2.	LOCATION: **Faculty of Medicine, Eroilor Sanitari Blvd., basement**						
2.3.	Lectures tenure: Prof.Dr.Rusu Mugurel Constantin						
2.4.	Practical classes tenure: As.Univ.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	**semester**	**2**	out of which	**Lecture: 1**	**Laboratory session: 1**
Total hours out of learning schedule	**semester**	**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	**12**
Tutorial activity	**-**
Examinations	**-**
Other activities	**-**
Total hours of individual study	**22**
Total hours/semester	**50**

Credits	
	2

4. Preconditions

4.1. curriculum	Notions of head anatomy (Anatomy 2)
4.2. proficiencies	N/A

5. Conditions

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

6. Accumulated skills

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

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

7.1. General Objective	After studying this discipline, students will be able to recognize in the imaging anatomy 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 imaging, descriptive and topographic dentomaxillary and orofacial anatomy, both normal and variational, to assimilate the concept of personalized anatomy for personalized dentistry. The anatomical training of the future dentist 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. Anatomy of the functional zones of the maxilla and mandible	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 for sectional anatomy.	
2. Anatomy of dental impaction	2		
3. Accessory innervation of teeth	2		
4. The Regions of the Neck (I)	2		
5. The Regions of the Neck (II)	2		
6. The Regions of the Neck (III)	2		
7. The Regions of the Neck (IV)	2		
8.2. Laboratory Session	**No. hours /topic**	**Teaching method**	**Obs.**
1. Sectional anatomy of the neck (I)	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 for sectional anatomy.	
2. Sectional anatomy of the neck (II)	2		
3. Anatomical changes of the maxilla and mandible, physiological and in edentulous	2		
4. The anatomical variability of the anatomical landmarks for nerve blocks	2		
5. The anatomical bases of the syndromes of the cranial nerves and the autonomic nervous system of the head (I)	2		
6. The anatomical bases of the syndromes of the cranial nerves and the autonomic nervous system of the head (II)	2		
7. Colloquium	2		

8.3. Bibliography for lectures and practical classes

1. Rusu, MC. NOTE DE CURS (2024).
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. Folia Morphol (Warsz). 2018.

5. Bichir C, Rusu MC, Vrapciu AD, Maru N. The temporomandibular joint: pneumatic temporal cells open into the articular and extradural spaces. Folia Morphol (Warsz). 2019;78:630-36.
6. Carstocea L, Rusu MC, Matesica DS, Sandulescu M. Air spaces neighbouring the infraorbital canal. Morphologie. 2019.
7. Rusu MC, Dinca D. Accessory pterygoid fovea of the human mandibular condyle. Cranio. 2019:1-5.
8. Rusu MC, Pop F. The anatomy of the sympathetic pathway through the pterygopalatine fossa in humans. Ann Anat. 2010;192:17-22.
9. Rusu MC, Pop F, Curca GC, Podoleanu L, Voinea LM. The pterygopalatine ganglion in humans: a morphological study. Ann Anat. 2009b;191:196-202.
10. Rusu MC, Sandulescu M, Bichir C. Patterns of pneumatization of the tympanic plate. Surg Radiol Anat. 2020;42:347-53.
11. Rusu MC, Sandulescu M, Ciuluvica RC, Sendroiu VM, Didilescu AC. The extramandibular inferior alveolar nerve in cases with severely atrophic lower jaws. Surg Radiol Anat. 2012;34:277-9.
12. Rusu MC, Sandulescu M, Ilie OC. Infraorbital canal bilaterally replaced by a lateroantral canal. Surg Radiol Anat. 2015;37:1149-53.
13. Von Arx T, Lozanoff S. Clinical Oral Anatomy: A Comprehensive Review for Dental Practitioners and Researchers: Springer; 2016.
14. Moeller TB, Reif E Pocket Atlas of Sectional Anatomy. 2007

9. Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field related to 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 dentistry and in the multidisciplinary teams.

10. Evaluation

Activity type	Evaluation Criteria	Methods of evaluation	% out of final grade
Lecture	**A. Knowledge for mark 5: 5 grids** **B. Additional knowledge for mark 10; 10 grids**	Grid colloquium (10 questions)	**50%**
Practical session	**A. Knowledge for mark 5: 5 points** **B. Additional knowledge for mark 10: 10 points**	5 matching grids – 10 points.	**50%**
Minimum performance standards			
• Meeting the minimum criteria of practical knowledge • Correct resolution of at least 50% of the topics • Possession of minimal theoretical knowledge			

Date:
12.06.2024

Chair of Anatomy Division
Prof.Dr.Rusu Mugurel

Date of the approval in Department Board:

Department director
Prof. Univ. Dr. Marina Imre