Semester 4, Spring 2023

Programme of lectures and practicals in Oral histology and embryology (aZLOH) for the 2nd year of Dentistry

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Lectures (even weeks)	Practice (odd weeks)
1. **19. 2. – 23. 2. 2024** **Introduction**, information about the completion of the course, recommended literature. **Orofacial system**, its structural components, and functions. **Oral cavity** - walls and contents. Structure and functions of the **oral mucosa**, types of mucosae. **Taste buds**.	1. **19. 2. – 23. 2. 2024**
2. **26. 2. – 1. 3. 2024**	2. **26. 2. – 1. 3. 2024** Microscopic structure and functional histology: lips, palate, cheeks, tongue. Samples: *labium oris, palatum molle, apex linguae, papilla vallata, radix linguae.*
3. **4. 3. – 8. 3. 2024** **Salivary glands, TMJ** Microstructure and classification of salivary glands. Temporomandibular joint, microstructure and function.	3. **4. 3. – 8. 3. 2024**
4. **11. 3. – 15. 3. 2024**	4. **11. 3. – 15. 3. 2024** Salivary glands, TMJ – microstructure. Samples: *gl. parotis, gl. submandibularis, gl. sublingualis, gl. apicis linguae, TMJ.*
5. **18. 3. – 22. 3. 2024** **Alveolar process, Periodontium** Microstructure of the alveolar process and clinical aspects of its remodelling. Microstructure of the periodontium, its function and clinical aspects. Gingiva, sulcus gingivalis.	5. **18. 3. – 22. 3. 2024**
6. **25. 3. – 29. 3. 2024**	6. **25. 3. – 29. 3. 2024** **Tonsils, Introduction to the tooth** Samples: *Tonsilla palatina, tonsilla lingualis.*
7. **1. 4. – 5. 4. 2024** **Enamel, Cementum** Enamel microstructure, function, amelogenesis and age-related changes. Microstructure of cementum, types and its clinical significance.	7. **1. 4. – 5. 4. 2024**

8. **8. 4. – 12. 4. 2024**	8. **8. 4. – 12. 4. 2024** **Dentin-pulp complex** Dentin as living tissue. Microstructure of the dental pulp, functions. Samples: Tooth (ground section).
9. **15. 4. – 19. 4. 2024** **Development of the face, oral and nasal cavities** Development of the face, oral and nasal cavities, palate, nasal septum, atrium of the oral cavity, upper and lower jaws.	9. **15. 4. – 19. 4. 2024**
10. **22. 4. – 26. 4. 2024**	10. **22. 4. – 26. 4. 2024** **Tooth development** Samples: Different stages of tooth development - pig, human.
11. **29. 4. – 3. 5. 2024** **Development of the tongue, salivary glands, pharyngeal arches** Tongue development, defects. Development of salivary glands. Development and features of pharyngeal arches and their derivatives.	11. **29. 4. – 3. 5. 2024**
12. **6. 5. – 10. 5. 2024**	12. **6. 5. – 10. 5. 2024** **Science and research, regenerative dental medicine** Current focus of dental research, advances in the field of regenerative dentistry. Are we going to be able to repair or regenerate our teeth? Discussion. Credit test (the course will be credited only after attendance at the invited lecture)
13. **13. 5. – 17. 5. 2024** **Permanent dentition, defects** Development of permanent dentition and a time overview. Mixed dentition. Differences in the structure of primary and secondary teeth. Developmental defects of teeth.	13. **13. 5. – 17. 5. 2024**
14. **20. 5. – 24. 5. 2024**	14. **20. 5. – 24. 5. 2024** **INVITED LECTURE (COMPULSORY)**

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