

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

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Lectures (even weeks)

1. 17. 2. – 21. 2. 2025
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 .
2. 24. 2. – 28. 2. 2025
3. 3. 3. – 7. 3. 2025
Salivary glands, TMJ Microstructure and classification of salivary glands. Temporomandibular joint, microstructure and function.
4. 10. 3. – 14. 3. 2025
5. 17. 3. – 21. 3. 2025
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.
6. 24. 3. – 27. 3. 2025
7. 31. 3. – 4. 4. 2025
Enamel, Cementum Enamel microstructure, function, amelogenesis and age-related changes. Microstructure of cementum, types and its clinical significance.

Practice (odd weeks)

1. 17. 2. – 21. 2. 2025
2. 24. 2. – 28. 2. 2025
Microscopic structure and functional histology: lips, palate, cheeks, tongue. <u>Samples:</u> <i>labium oris, palatum molle, apex linguae, papilla vallata, radix linguae.</i>
3. 3. 3. – 7. 3. 2025
4. 10. 3. – 14. 3. 2025
Salivary glands, TMJ – microstructure. <u>Samples:</u> <i>gl. parotis, gl. submandibularis, gl. sublingualis, gl. apicis linguae, TMJ.</i>
5. 17. 3. – 21. 3. 2025
6. 24. 3. – 27. 3. 2025
Tonsils, Introduction to the tooth <u>Samples:</u> <i>Tonsilla palatina, tonsilla lingualis.</i>
7. 31. 3. – 4. 4. 2025

8. 7. 4. – 11. 4. 2025	8. 7. 4. – 11. 4. 2025 Dentin-pulp complex Dentin as living tissue. Microstructure of the dental pulp, functions. <u>Samples:</u> Tooth (ground section).
9. 14. 4. – 18. 4. 2025 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. 14. 4. – 18. 4. 2025
10. 21. 4. – 25. 4. 2025	10. 21. 4. – 25. 4. 2025 Tooth development <u>Samples:</u> Different stages of tooth development - pig, human.
11. 28. 4. – 2. 5. 2025 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. 28. 4. – 2. 5. 2025
12. 5. 5. – 9. 5. 2025	12. 5. 5. – 9. 5. 2025 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? <u>Discussion.</u> <u>Credit test</u> (the course will be credited only after attendance at the invited lecture)
13. 12. 5. – 16. 5. 2025 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. 12. 5. – 16. 5. 2025
14. 20. 5. – 24. 5. 2025	14. 20. 5. – 24. 5. 2025 RESERVE TERM / INVITED LECTURE

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