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| "Approved"  Head of the Department of pediatric oral and maxillofacial surgery and pedodontics  „Ion Lupan”, 24 january 2020  PhD, DMS, Associate professor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Railean Silvia | "Approved"  at the chair meeting of Department of pediatric oral and maxillofacial surgery and pedodontics  „Ion Lupan”  Minutes No.\_\_\_of\_\_\_\_\_ |

Methodical elaboration no. 2

for 4th year students in **Pedodontics**

1. Topic: The main stages of development of temporary and permanent teeth in children. Morphological and structural features of temporary and permanent teeth in children.
2. The aim: To learn the methods of examining and preparing children for treatment.
3. The practical lesson plan:

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| **No** | **Stages** | **Equipment** | | **Time** |
| **Technical equipment, instruments** | **Didactic material** |
| 1. | Attendance control |  | Catalog | 2 min |
| 2. | Familiarization of the theme and plan of the practical lesson |  | Methodical elaboration | 2 min |
| 3. | Interrogating students, solving situational problems, tests | Interrogating students, solving situational problems. | Situational problems, tests, radiograms, etc. | 60 min |
| 4. | Examination and treatment of patients | Equipment, tools, materials, etc. | Tables, schemes,etc. | 185 min |
| 5. | Clinical debates, completing of documentation | Form of documentation 030, 039 | Final assessment of students practical skills | 20 min |
| 6. | Topic for the next lesson |  | The thematic plan | 1 min |

**Knowledge assessment:**

1. What stages do we distinguish conventionally in teeth development?

2. What are the stages of intrauterine and intramaxillary development of the teeth?

3. Characterize the stage of formation and formation of dental buds - proliferation.

4. What are the main components of the dental follicle?

5. Characterize the differentiation stage of the dental buds - histodifferentiation.

6. What are the components of the enamel?

7. Characterize the stage of histogenesis of dental tissues - morphodifferentiation.

8. Characterize the calcification step of the hard dental tissues.

9. What is the dental eruption?

10. What are the characteristic stages of dental eruption?

11. What are the theories that explain the mechanism of dental eruption?

12. Name the general factors that play an important role in the process of tooth eruption.

13. What are the signs of physiological eruption of the teeth?

14. What is the eruption order of temporary teeth?

15. What are the terms of temporary teeth eruption?

16. What factors influence on the eruption of temporary teeth?

17. What are the pathological variations of the temporary teeth eruption?

18. What is the meaning of the term "dentitio difficilis"?

19. What are the natal and neonatal teeth?

20. Describe the process of tooth root formation.

21. What are the peculiarities of root formation in pluriradicular teeth?

22. What are the terms of the complete formation of the temporary tooth roots?

23. What are the radiological stages in the root apex formation process?

24. What is the root growth area of the tooth?

25. What are the variants of the roots of temporary pluriradicular teeth resorption?

26. What are the terms of the beginning of the roots of the temporary teeth resorption?

27. What are the theories that explain the process of the roots of the temporary teeth resorption?

28. What are the reasons for the delay in the terms of root resorption?

29. What are the causes of accelerating root resorption terms?

30. What is the order of permanent teeth eruption?

31. What are the terms of permanent teeth eruption?

32. What are the factors that determine the individual variations of the eruption of permanent teeth?

33. What are general pathological factors influence on the permanent teeth eruption?

34. What are local pathological factors influence on the permanent teeth eruption?

35. What are the terms of the roots complete formation of the permanent teeth?

36. What are the general features of temporary teeth?

37. What are the morphological features of the temporary teeth?

38. What are the structural features of the temporary teeth?

39. Indicate the location of the Zuckerkandl and Carabelli tubers.

40. What are the general features of permanent teeth?

41. What are the morphological features of permanent teeth?

42. What are the structural features of permanent teeth?

43. What are the peculiarities of the temporary teeth enamel structure?

44. What are the peculiarities of the dentin structure of the temporary teeth?

45. What are the peculiarities of the permanent teeth enamel structure?

46. ​​What are the peculiarities of the dentin structure of permanent teeth?

47. What are the particularities of the structure of the temporary and permanent teeth cement?

48. What are the peculiarities of the radioanatomy of the dental-maxillary apparatus in children until the eruption of permanent teeth?

49. What are the particularities of the radioanatomy of the dental-maxillary apparatus in children during the period of mixed dentition?

50. What are the peculiarities of the radioanatomy of the dental-maxillary apparatus in children during the period of permanent dentition?

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