

**Semmelweis University**  
**Department of Paediatric Dentistry and Orthodontics**

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1. a) The subject and significance of orthodontics and its relation to caries and periodontology

b) Types, profiles and characteristics of orthodontic arches

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2. a) Basic concepts and terminology of orthodontics

b) Types and indications of anchorage used with fixed appliances

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3. a) Aetiology, hereditary and acquired anomalies

b) Treatment of Angle class I anomalies. Local manifestation forms

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4. a) Interaction between function and anomalies

b) Treatment of Angle class I anomalies. General manifestation forms

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5. a) Angle's diagnostic system

b) Treatment of Angle class II anomalies

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6. a) X-ray diagnosis, cephalometric evaluation

b) Treatment of Angle class III anomalies

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7. a) Timing of orthodontic treatment and treatment length

b) Adult orthodontic treatment: characteristics and particularities

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8. a) Basic principles of orthodontic treatment. Biological and mechanical capabilities  
b) Role and tasks of the orthodontist in the team which treats patients with cleft lip and palate
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9. a) Historical survey of the orthodontic appliances, improvement influencing factors  
b) Extraction in orthodontics (indication, timing)
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10. a) Removable appliances: active and passive plates  
b) Retention tasks after orthodontic treatment
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11. a) Removable appliances: functional orthopaedic appliances  
b) Types and indication fields of dysgnathic surgery
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12. a) Types and structures of braces  
b) Physiological and pathological effects to the periodontal structure of dental anomalies and orthodontic treatment
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13. a) Multiband systems: standard edgewise, light-wire  
b) Potential causes of relapse
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14. a) Multiband systems: straight-wire, Ricketts-bioprogresive  
b) Prevention possibilities of dental anomalies
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15. a) Types, effect mechanisms and indications of appliances with extraoral anchorage  
b) Early treatment possibilities in orthodontics
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16. a) Dysgnathic surgery planning, objectives and implementations of orthodontic treatments before and after surgical interventions

b) The orthodontic documentation and its significance

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17. a) Main standpoints and significance of patient guidance and written consent

b) Ambulant surgical interventions for orthodontic purposes

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18. a) Orthodontic treatment plan

b) Description, application fields, indications and contraindications of preorthodontic myofunctional trainers

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19. a) Complex treatment of anomalies occurring with teeth agenesis

b). Main mistakes made during orthodontic treatments and theirs consequences

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