



Faculty of Dental Medicine

Department I

University Department Sub-Structure of Propedeutics and Dental Materials

University Professor, Position 46

Topics

1. Organum dentale. Odontium (enamel, dentine, pulp). Periodontium (cementum, alveolar bone, periodontium, gingiva).
2. The oral cavity. General aspects. Limits and walls. The oral mucosa. The tongue. Introduction to the clinical intraoral exam.
3. The dental arches. The deciduous dental arches. The dental arches in mixed dentition. The dental arches in primary morphology (shape, axial position of teeth, contact areas, embrasures, curves of occlusion).
4. Secondary morphology of the parts of the SS. Secondary morphology of the upper jaw, of the mandible and of the temporomandibular joint. Secondary morphology of the dental arches. Dental abrasion. Modification of the dental tissues, periodontium, salivary glands, skin and oral mucosa.
5. Dental eruption. The eruption of deciduous teeth. The eruption of permanent teeth. Types of eruption. The deciduous teeth. The role of the temporary dentition. Morphological and structural features of the deciduous teeth. Physiologic root resorption.
6. Materials used in preventive dentistry.
7. Polyelectrolyte cements: Zinc polycarboxylate cements, glass ionomer cements, resin modified ionomer cements
8. Varnishes, liners, base cements
9. The adhesion to enamel and dentin. Adhesives: generations and action mechanism
10. Polymeric restorative materials: Self and light-curing diacrylic composite resin.

References

1. Nelson JS, Wheeler's Dental Anatomy, Physiology, and Occlusion. Ninth Edition, Saunders Elsevier, 2010, ISBN 978-1-4160-6209-7
2. O'Brian JW, Dental Materials and Their Selection-Fourth Edition, 2008, ISBN 978-0-86715-437-5
3. Crăciunescu EL, Negruțiu ML, Romînu M, Novac AC, Modiga C, Caplar BD, ET AL. Dental anatomy and morphology of permanent teeth [internet]. dentistry. Intechopen; 2023. available from: <HTTP://DX.DOI.ORG/10.5772/INTECHOPEN.110223..3>.
4. Crăciunescu EL, Romînu M, Negruțiu ML, Sinescu C., Novac AC, Caplar BD, Pop DM, Indirect Restorative Polymeric Dental Materials [Internet]. Dentistry. IntechOpen; 2024. Available from: <http://dx.doi.org/10.5772/intechopen.113089>
5. Ardelean LC, Rusu LC, editors. Advances in Dentures - Prosthetic Solutions, Materials and Technologies [Internet]. Dentistry. IntechOpen; 2024. Available from: <http://dx.doi.org/10.5772/intechopen.111299>
6. Ardelean LC, Rusu LC, Tigmeanu CV, Negrutiu ML, Pop DM - Advances in Dentures: Novel Polymeric Materials and Manufacturing Technologies Available from <http://dx.doi.org/10.5772/intechopen.113936>