



Conservative / Operative Dentistry II

Year 4 — Bachelor of Dental Surgery

Reference and Resource List — Chapters 1 to 15

Supporting the MCQ, SBA, SAQ and flashcard question bank

BM Education FZE

Disclaimer
Questions in this bank were generated with the assistance of artificial intelligence and reviewed against the references listed. They are provided for educational revision only, are not a substitute for prescribed textbooks, clinical guidelines or supervised clinical training, and no warranty is given as to their accuracy or completeness.

References are presented in Vancouver style. Part 1 lists the core sources that apply across the whole subject; Part 2 lists, for each chapter, the relevant sections of those core texts together with sources specific to that chapter. Numbers in square brackets in Part 2 refer to the core list in Part 1.

PART 1 — CORE REFERENCES (ALL CHAPTERS)

1.1 Principal operative and restorative dentistry textbooks

1. Ritter AV, Boushell LW, Walter R, editors. *Sturdevant's Art and Science of Operative Dentistry*. 8th ed. St Louis: Elsevier; 2025.
2. Hilton TJ, Ferracane JL, Broome JC, editors. *Fundamentals of Operative Dentistry: A Contemporary Approach*. 4th ed. Hanover Park (IL): Quintessence Publishing; 2013.
3. Banerjee A, Watson TF. *Pickard's Guide to Minimally Invasive Operative Dentistry*. 10th ed. Oxford: Oxford University Press; 2015.
4. Mount GJ, Hume WR, Ngo HC, Wolff MS, editors. *Preservation and Restoration of Tooth Structure*. 3rd ed. Chichester: Wiley Blackwell; 2016.
5. Magne P, Belser UC. *Bonded Porcelain Restorations in the Anterior Dentition: A Biomimetic Approach*. Chicago: Quintessence Publishing; 2002.

1.2 Cariology, pulp biology and the endodontic interface

6. Fejerskov O, Nyvad B, editors. *Dental Caries: The Disease and Its Clinical Management*. 4th ed. Oxford: Wiley Blackwell; 2025.
7. Kidd EAM, Fejerskov O. *Essentials of Dental Caries*. 4th ed. Oxford: Oxford University Press; 2016.
8. Berman LH, Hargreaves KM, editors. *Cohen's Pathways of the Pulp*. 12th ed. St Louis: Elsevier; 2020.
9. European Society of Endodontology. European Society of Endodontology position statement: management of deep caries and the exposed pulp. *Int Endod J*. 2019;52(7):923–34.
10. Mannocci F, Cowie J. Restoration of endodontically treated teeth. *Br Dent J*. 2014;216(6):341–6.
11. Juloski J, Radovic I, Goracci C, Vulicevic ZR, Ferrari M. Ferrule effect: a literature review. *J Endod*. 2012;38(1):11–9.

1.3 Dental materials and adhesion

12. Sakaguchi RL, Ferracane JL, Powers JM, editors. *Craig's Restorative Dental Materials*. 14th ed. St Louis: Elsevier; 2019.
13. Anusavice KJ, Shen C, Rawls HR, editors. *Phillips' Science of Dental Materials*. 12th ed. St Louis: Elsevier Saunders; 2013.
14. Van Meerbeek B, De Munck J, Yoshida Y, et al. Buonocore memorial lecture. Adhesion to enamel and dentin: current status and future challenges. *Oper Dent*. 2003;28(3):215–35.
15. Magne P. Immediate dentin sealing: a fundamental procedure for indirect bonded restorations. *J Esthet Restor Dent*. 2005;17(3):144–54.
16. Lynch CD, Opdam NJ, Hickel R, et al. Guidance on posterior resin composites: Academy of Operative Dentistry – European Section. *J Dent*. 2014;42(4):377–83.
17. Hickel R, Brushaver K, Ilie N. Repair of restorations – criteria for decision making and clinical recommendations. *Dent Mater*. 2013;29(1):28–50.

1.4 Occlusion and aesthetic dentistry

18. Okeson JP. *Clinical Management of Temporomandibular Disorders and Occlusion*. 9th ed. St Louis: Elsevier; 2026.
19. Dawson PE. *Functional Occlusion: From TMJ to Smile Design*. St Louis: Mosby Elsevier; 2007.
20. Goldstein RE, Chu SJ, Lee EA, Stappert CFJ, editors. *Ronald E. Goldstein's Esthetics in Dentistry*. 3rd ed. Hoboken (NJ): Wiley Blackwell; 2018.

1.5 Consensus statements and quality-assessment criteria

21. Schwendicke F, Frencken JE, Bjørndal L, et al. Managing carious lesions: consensus recommendations on carious tissue removal. *Adv Dent Res*. 2016;28(2):58–67.

22. Innes NPT, Frencken JE, Bjørndal L, et al. Managing carious lesions: consensus recommendations on terminology. *Adv Dent Res*. 2016;28(2):49–57.
23. Banerjee A, Frencken JE, Schwendicke F, Innes NPT. Contemporary operative caries management: consensus recommendations on minimally invasive caries removal. *Br Dent J*. 2017;223(3):215–22.
24. Hickel R, Peschke A, Tyas M, et al. FDI World Dental Federation: clinical criteria for the evaluation of direct and indirect restorations – update and clinical examples. *Clin Oral Investig*. 2010;14(4):349–66.

1.6 Guidelines, regulatory and professional standards

25. Faculty of General Dental Practice (UK). Clinical Examination and Record-Keeping: Good Practice Guidelines. 3rd ed. London: FGDP(UK); 2016.
26. Faculty of General Dental Practice (UK). Selection Criteria for Dental Radiography. 3rd ed. London: FGDP(UK); 2018.
27. General Dental Council. Standards for the Dental Team. London: GDC; 2013. Available from: <https://standards.gdc-uk.org>
28. General Dental Council. Preparing for practice: dental team learning outcomes for registration. London: GDC; 2015. Available from: <https://www.gdc-uk.org>
29. Office for Health Improvement and Disparities. Delivering better oral health: an evidence-based toolkit for prevention. London: OHID. Available from: <https://www.gov.uk/government/publications/delivering-better-oral-health-an-evidence-based-toolkit-for-prevention>
30. Scottish Dental Clinical Effectiveness Programme. Clinical guidance in dentistry. Dundee: SDCEP. Available from: <https://www.sdcep.org.uk>
31. National Institute for Health and Care Excellence. Dental checks: intervals between oral health reviews. Clinical guideline CG19. London: NICE; 2004. Available from: <https://www.nice.org.uk/guidance/cg19>
32. Department of Health. Health Technical Memorandum 01-05: decontamination in primary care dental practices. 2013 ed. London: Department of Health; 2013. Available from: <https://www.gov.uk>
33. Centers for Disease Control and Prevention. Summary of infection prevention practices in dental settings: basic expectations for safe care. Atlanta: CDC; 2016. Available from: <https://www.cdc.gov>
34. Dental Council of India. Bachelor of Dental Surgery (BDS) Course Regulations, 2007 (as amended). New Delhi: DCI.

1.7 Key journals for currency

Journal of Dentistry • Dental Materials • Operative Dentistry • Journal of Adhesive Dentistry • Journal of Dental Research • Caries Research • Clinical Oral Investigations • International Endodontic Journal • Journal of Endodontics • Journal of Esthetic and Restorative Dentistry • Journal of Prosthetic Dentistry • British Dental Journal

PART 2 — CHAPTER-SPECIFIC REFERENCES

Chapter 1 — Clinical Foundations for Advanced Operative Dentistry

1.1 Patient assessment and diagnosis · 1.2 Treatment planning in operative dentistry · 1.3 Operative armamentarium and ergonomics

Core texts: [1] Chs. on patient assessment, examination, diagnosis and treatment planning; instruments and equipment · [2] Chs. on diagnosis and treatment planning · [3] Chs. on clinical examination and planning · [7] Chs. on caries diagnosis and risk · [25] · [26] · [27] · [30] · [31]

Additional

- Pretty IA, Ekstrand KR. Detection and monitoring of early caries lesions: a review. *Eur Arch Paediatr Dent*. 2016;17(1):13–25.
- Ismail AI, Sohn W, Tellez M, et al. The International Caries Detection and Assessment System (ICDAS): an integrated system for measuring dental caries. *Community Dent Oral Epidemiol*. 2007;35(3):170–8.
- Scottish Dental Clinical Effectiveness Programme. Oral health assessment and review: dental clinical guidance. Dundee: SDCEP; 2011 (updated 2012). Available from: <https://www.sdcep.org.uk>
- Levin LG, Law AS, Holland GR, Abbott PV, Roda RS. Identify and define all diagnostic terms for pulpal health and disease states. *J Endod*. 2009;35(12):1645–57.
- General Dental Council. Principles of consent. In: *Standards for the Dental Team*. London: GDC; 2013. Available from: <https://standards.gdc-uk.org>

Chapter 2 — Advanced Dental Caries: Modern Concepts and Clinical Management

2.1 Caries pathology and detection (clinical level) · 2.2 Minimal intervention dentistry · 2.3 Caries control before definitive restorations

Core texts: [1] Chs. on cariology and caries management · [3] Chs. on minimally invasive caries management · [4] Chs. on the caries process and minimal intervention · [6] · [7] · [21] · [22] · [23] · [29] · [30]

Additional

- Pitts NB, Zero DT, Marsh PD, et al. Dental caries. *Nat Rev Dis Primers*. 2017;3:17030.
- Machiulskiene V, Campus G, Carvalho JC, et al. Terminology of dental caries and dental caries management: consensus report of a workshop organized by ORCA and Cariology Research Group of IADR. *Caries Res*. 2020;54(1):7–14.
- Nyvad B, Fejerskov O. Assessing the stage of caries lesion activity on the basis of clinical and microbiological examination. *Community Dent Oral Epidemiol*. 1997;25(1):69–75.
- Ekstrand KR, Gimenez T, Ferreira FR, Mendes FM, Braga MM. The International Caries Detection and Assessment System – ICDAS: a systematic review. *Caries Res*. 2018;52(5):406–19.
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- Meyer-Lueckel H, Paris S, Ekstrand KR, editors. *Caries Management – Science and Clinical Practice*. Stuttgart: Thieme; 2013.
- Slayton RL, Urquhart O, Araújo MWB, et al. Evidence-based clinical practice guideline on nonrestorative treatments for carious lesions: a report from the American Dental Association. *J Am Dent Assoc*. 2018;149(10):837–49.e19.

Chapter 3 — Pulp–Dentine Complex Considerations in Operative Dentistry

3.1 Pulpal diagnosis relevant to restorative decisions · 3.2 Deep caries management and pulp protection · 3.3 Restoration after pulp therapy

Core texts: [1] Chs. on the dentine–pulp complex and pulp protection · [2] Chs. on pulpal considerations and liners and bases · [4] Chs. on the pulp–dentine complex · [8] Chs. on pulp biology, diagnosis and vital pulp therapy · [9] · [21]

Additional

- Bergenholtz G, Hørsted-Bindslev P, Reit C, editors. Textbook of Endodontology. 2nd ed. Oxford: Wiley Blackwell; 2010.
- Bjørndal L, Simon S, Tomson PL, Duncan HF. Management of deep caries and the exposed pulp. *Int Endod J*. 2019;52(7):949–73.
- Levin LG, Law AS, Holland GR, Abbott PV, Roda RS. Identify and define all diagnostic terms for pulpal health and disease states. *J Endod*. 2009;35(12):1645–57.
- American Association of Endodontists. Glossary of Endodontic Terms. 10th ed. Chicago: AAE; 2020. Available from: <https://www.aae.org>
- Hilton TJ. Keys to clinical success with pulp capping: a review of the literature. *Oper Dent*. 2009;34(5):615–25.
- Mente J, Hufnagel S, Leo M, et al. Treatment outcome of mineral trioxide aggregate or calcium hydroxide direct pulp capping: long-term results. *J Endod*. 2014;40(11):1746–51.
- Nair PNR. Pathogenesis of apical periodontitis and the causes of endodontic failures. *Crit Rev Oral Biol Med*. 2004;15(6):348–81.

Chapter 4 — Advanced Isolation, Moisture Control and Soft-Tissue Management

4.1 Rubber dam mastery · 4.2 Alternative isolation · 4.3 Subgingival and deep margin management

Core texts: [1] Chs. on isolation of the operating field and moisture control · [2] Chs. on field isolation · [3] Chs. on operative technique and isolation · [15]

Additional

- Reid JS, Callis PD, Patterson CJW. Rubber Dam in Clinical Practice. London: Quintessence Publishing; 1991.
- Miao C, Yang X, Wong MC, et al. Rubber dam isolation for restorative treatment in dental patients. *Cochrane Database Syst Rev*. 2021;(5):CD009858.
- Kameyama A, Asami M, Noro A, Abo H, Hirai Y, Tsunoda M. The effects of three dry-field techniques on intraoral temperature and relative humidity. *J Am Dent Assoc*. 2011;142(3):274–80.
- Cajazeira MR, De Sabóia TM, Maia LC. Influence of the operatory field isolation technique on tooth-colored direct dental restorations. *Am J Dent*. 2014;27(3):155–9.
- Ferrari M, Cagidiaco MC, Ercoli C. Tissue management with a new gingival retraction material: a preliminary clinical report. *J Prosthet Dent*. 1996;75(3):242–7.
- Magne P, Spreafico RC. Deep margin elevation: a paradigm shift. *Am J Esthet Dent*. 2012;2(2):86–96.
- Veneziani M. Adhesive restorations in the posterior area with subgingival cervical margins: new classification and differentiated treatment approach. *Eur J Esthet Dent*. 2010;5(1):50–76.

Chapter 5 — Adhesive Dentistry: Clinical-Operative Depth

5.1 Tooth substrates · 5.2 Bonding systems · 5.3 Clinical variables affecting bond success

Core texts: [1] Chs. on enamel and dentine bonding · [2] Chs. on adhesion and bonding systems · [4] Chs. on adhesion to tooth structure · [12] Chs. on bonding and adhesives · [13] · [14] · [15]

Additional

- Perdigão J. Dentin bonding – variables related to the clinical situation and the substrate treatment. *Dent Mater*. 2010;26(2):e24–37.

- Van Meerbeek B, Yoshihara K, Yoshida Y, Mine A, De Munck J, Van Landuyt KL. State of the art of self-etch adhesives. *Dent Mater*. 2011;27(1):17–28.
- Pashley DH, Tay FR, Breschi L, et al. State of the art etch-and-rinse adhesives. *Dent Mater*. 2011;27(1):1–16.
- Breschi L, Mazzoni A, Ruggeri A, Cadenaro M, Di Lenarda R, De Stefano Dorigo E. Dental adhesion review: aging and stability of the bonded interface. *Dent Mater*. 2008;24(1):90–101.
- Frankenberger R, Tay FR. Self-etch vs etch-and-rinse adhesives: effect of thermo-mechanical fatigue loading on marginal quality of bonded resin composite restorations. *Dent Mater*. 2005;21(5):397–412.
- Sofan E, Sofan A, Palaia G, Tenore G, Romeo U, Migliau G. Classification review of dental adhesive systems: from the IV generation to the universal type. *Ann Stomatol (Roma)*. 2017;8(1):1–17.
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- Perdigão J, Araujo E, Ramos RQ, Gomes G, Pizzolotto L. Adhesive dentistry: current concepts and clinical challenges. *J Esthet Restor Dent*. 2021;33(1):51–68.

Chapter 6 — Resin Composite Restorations: Advanced Techniques

6.1 Indications and case selection · 6.2 Cavity design for composites · 6.3 Matrix systems and contact establishment · 6.4 Layering and anatomy · 6.5 Finishing, polishing and surface integrity · 6.6 Repair versus replace

Core texts: [1] Chs. on composite restorations · [2] Chs. on direct posterior and anterior composites · [3] Chs. on resin composite techniques · [12] Chs. on resin composites · [16] · [17]

Additional

- Ferracane JL. Resin composite – state of the art. *Dent Mater*. 2011;27(1):29–38.
- Opdam NJM, van de Sande FH, Bronkhorst E, et al. Longevity of posterior composite restorations: a systematic review and meta-analysis. *J Dent Res*. 2014;93(10):943–9.
- Demarco FF, Corrêa MB, Cenci MS, Moraes RR, Opdam NJM. Longevity of posterior composite restorations: not only a matter of materials. *Dent Mater*. 2012;28(1):87–101.
- Lutz F, Krejci I, Barbakow F. Quality and durability of marginal adaptation in bonded composite restorations. *Dent Mater*. 1991;7(2):107–13.
- Loomans BAC, Opdam NJM, Roeters FJM, Bronkhorst EM, Burgersdijk RCW, Dörfer CE. A randomized clinical trial on proximal contacts of posterior composites. *J Dent*. 2006;34(4):292–7.
- Ilie N, Hickel R. Resin composite restorative materials. *Aust Dent J*. 2011;56 Suppl 1:59–66.
- Chesterman J, Jowett A, Gallacher A, Nixon P. Bulk-fill resin-based composite restorative materials: a review. *Br Dent J*. 2017;222(5):337–44.
- Van Ende A, De Munck J, Lise DP, Van Meerbeek B. Bulk-fill composites: a review of the current literature. *J Adhes Dent*. 2017;19(2):95–109.
- Heintze SD, Rousson V. Clinical effectiveness of direct class II restorations – a meta-analysis. *J Adhes Dent*. 2012;14(5):407–31.

Chapter 7 — Complex Posterior Restorations and Cuspal Coverage

7.1 Large restorations · 7.2 Core build-ups · 7.3 Post systems

Core texts: [1] Chs. on complex direct restorations, foundations and cusp coverage · [2] Chs. on restoration of the compromised tooth · [5] · [8] Chs. on restoration of the endodontically treated tooth · [10] · [11]

Additional

- Larson TD, Douglas WH, Geistfeld RE. Effect of prepared cavities on the strength of teeth. *Oper Dent*. 1981;6(1):2–5.
- Reeh ES, Messer HH, Douglas WH. Reduction in tooth stiffness as a result of endodontic and restorative procedures. *J Endod*. 1989;15(11):512–6.
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- Magne P, Knezevic A. Influence of overlay restorative materials and load cusps on the fatigue resistance of endodontically treated molars. *Quintessence Int.* 2009;40(9):729–37.
- Federlin M, Sipos C, Hiller KA, Thonemann B, Schmalz G. Partial ceramic crowns: influence of preparation design and luting material on internal adaptation. *Oper Dent.* 2005;30(5):560–70.
- Fennis WMM, Kuijs RH, Kreulen CM, Roeters FJM, Creugers NHJ, Burgersdijk RCW. A survey of cusp fractures in a population of general dental practices. *Int J Prosthodont.* 2002;15(6):559–63.
- Dietschi D, Duc O, Krejci I, Sadan A. Biomechanical considerations for the restoration of endodontically treated teeth: a systematic review of the literature. Part II (evaluation of fatigue behavior, interfaces, and in vivo studies). *Oper Dent.* 2008;33(1):90–108.

Chapter 8 — Indirect Restorations within Operative Dentistry

8.1 Inlays and onlays · 8.2 Veneers · 8.3 Indirect composite restorations

Core texts: [1] Chs. on indirect tooth-coloured restorations and veneers · [2] Chs. on indirect restorations and adhesive cementation · [5] · [12] Chs. on ceramics and resin cements · [15] · [17]

Additional

- Magne P, So WS, Cascione D. Immediate dentin sealing supports delayed restoration placement. *J Prosthet Dent.* 2007;98(3):166–74.
- Gracis S, Thompson VP, Ferencz JL, Silva NRFA, Bonfante EA. A new classification system for all-ceramic and ceramic-like restorative materials. *Int J Prosthodont.* 2015;28(3):227–35.
- Guess PC, Schultheis S, Bonfante EA, Coelho PG, Ferencz JL, Silva NRFA. All-ceramic systems: laboratory and clinical performance. *Dent Clin North Am.* 2011;55(2):333–52.
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- Bajraktarova-Valjakova E, Korunoska-Stevkovska V, Kapusevska B, Gigovski N, Bajraktarova-Misevska C, Grozdanov A. Contemporary dental ceramic materials, a review: chemical composition, physical and mechanical properties, indications for use. *Open Access Maced J Med Sci.* 2018;6(9):1742–55.
- Blatz MB, Vonderheide M, Conejo J. The effect of resin bonding on long-term success of high-strength ceramics. *J Dent Res.* 2018;97(2):132–9.
- Gresnigt MMM, Kalk W, Özcan M. Randomized clinical trial of indirect resin composite and ceramic veneers: up to 3-year follow-up. *J Adhes Dent.* 2013;15(2):181–90.
- Peumans M, Van Meerbeek B, Lambrechts P, Vanherle G. Porcelain veneers: a review of the literature. *J Dent.* 2000;28(3):163–77.

Chapter 9 — Aesthetic Dentistry: Core Undergraduate Clinical Level

Shade selection and colour science · Anterior direct composite and veneer principles · Tooth whitening at undergraduate level

Core texts: [1] Chs. on colour, shade matching and anterior aesthetic restorations · [2] Chs. on anterior composites and aesthetics · [5] · [20]

Additional

- Ahmad I. *Protocols for Predictable Aesthetic Dental Restorations.* Oxford: Blackwell Munksgaard; 2006.
- Chu SJ, Devigus A, Paravina RD, Miesleszko AJ. *Fundamentals of Color: Shade Matching and Communication in Esthetic Dentistry.* 2nd ed. Chicago: Quintessence Publishing; 2010.
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- Joiner A. Tooth colour: a review of the literature. *J Dent.* 2004;32 Suppl 1:3–12.
- Dietschi D, Fahl N Jr. Shading concepts and layering techniques to master direct anterior composite restorations: an update. *Br Dent J.* 2016;221(12):765–71.
- Demarco FF, Collares K, Coelho-de-Souza FH, et al. Anterior composite restorations: a systematic review on long-term survival and reasons for failure. *Dent Mater.* 2015;31(10):1214–24.

- Joiner A. The bleaching of teeth: a review of the literature. *J Dent*. 2006;34(7):412–9.
- Carey CM. Tooth whitening: what we now know. *J Evid Based Dent Pract*. 2014;14 Suppl:70–6.
- Council of the European Union. Council Directive 2011/84/EU amending Directive 76/768/EEC concerning cosmetic products (tooth whitening products). *Off J Eur Union*. 2011;L283:36–8.

Chapter 10 — Management of Tooth Wear and Non-Carious Cervical Lesions

10.1 *Tooth wear spectrum* • 10.2 *Non-carious cervical lesions* • 10.3 *Erosion management*

Core texts: [1] Chs. on non-carious tooth defects and their management • [2] Chs. on tooth wear and cervical lesions • [3] Chs. on non-carious tooth surface loss • [4] Chs. on erosion and wear • [29] • [30]

Additional

- Lussi A, Ganss C, editors. *Erosive Tooth Wear: From Diagnosis to Therapy*. 2nd ed. Basel: Karger; 2014.
- Bartlett D, Ganss C, Lussi A. Basic Erosive Wear Examination (BEWE): a new scoring system for scientific and clinical needs. *Clin Oral Investig*. 2008;12 Suppl 1:S65–8.
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- Schlueter N, Luka B. Erosive tooth wear – a review on global prevalence and on its prevalence in risk groups. *Br Dent J*. 2018;224(5):364–70.
- Shellis RP, Addy M. The interactions between attrition, abrasion and erosion in tooth wear. *Monogr Oral Sci*. 2014;25:32–45.
- Grippo JO, Simring M, Coleman TA. Abfraction, abrasion, biocorrosion, and the enigma of noncarious cervical lesions: a 20-year perspective. *J Esthet Restor Dent*. 2012;24(1):10–23.
- Levitch LC, Bader JD, Shugars DA, Heymann HO. Non-carious cervical lesions. *J Dent*. 1994;22(4):195–207.
- Wood I, Jawad Z, Paisley C, Brunton P. Non-carious cervical tooth surface loss: a literature review. *J Dent*. 2008;36(10):759–66.
- Peumans M, Politano G, Van Meerbeek B. Treatment of noncarious cervical lesions: when, why, and how. *Int J Esthet Dent*. 2020;15(1):16–42.
- Davies SJ, Gray RMJ, Qualtrough AJE. Management of tooth surface loss. *Br Dent J*. 2002;192(1):11–16, 19–23.

Chapter 11 — Cracked Tooth Syndrome and Fracture Management

11.1 *Recognition and diagnosis* • 11.2 *Management*

Core texts: [1] Chs. on diagnosis and on cusp fracture and cuspal coverage • [2] Chs. on the compromised tooth • [8] Chs. on longitudinal tooth fractures • [10]

Additional

- Cameron CE. Cracked-tooth syndrome. *J Am Dent Assoc*. 1964;68:405–11.
- American Association of Endodontists. Cracking the cracked tooth code: detection and treatment of various longitudinal tooth fractures. *Endodontics: Colleagues for Excellence*. Chicago: AAE; 2008. Available from: <https://www.aae.org>
- Lubisich EB, Hilton TJ, Ferracane JL. Cracked teeth: a review of the literature. *J Esthet Restor Dent*. 2010;22(3):158–67.
- Banerji S, Mehta SB, Millar BJ. Cracked tooth syndrome. Part 1: aetiology and diagnosis. *Br Dent J*. 2010;208(10):459–63.
- Banerji S, Mehta SB, Millar BJ. Cracked tooth syndrome. Part 2: restorative options for the management of cracked tooth syndrome. *Br Dent J*. 2010;208(11):503–14.

- Mamoun JS, Napoletano D. Cracked tooth diagnosis and treatment: an alternative paradigm. *Eur J Dent.* 2015;9(2):293–303.
- Seo DG, Yi YA, Shin SJ, Park JW. Analysis of factors associated with cracked teeth. *J Endod.* 2012;38(3):288–92.
- Opdam NJM, Roeters JJM, Loomans BAC, Bronkhorst EM. Seven-year clinical evaluation of painful cracked teeth restored with a direct composite restoration. *J Endod.* 2008;34(7):808–11.
- Krell KV, Caplan DJ. 12-month success of cracked teeth treated with orthograde root canal treatment. *J Endod.* 2018;44(4):543–8.

Chapter 12 — Restoration of Endodontically Treated Teeth: Operative Interface

12.1 Coronal seal and timing · 12.2 Definitive restorative strategies

Core texts: [1] Chs. on restoration of endodontically treated teeth · [2] Chs. on the endodontically treated tooth · [8] Chs. on restoration of the endodontically treated tooth · [10] · [11]

Additional

- Ray HA, Trope M. Periapical status of endodontically treated teeth in relation to the technical quality of the root filling and the coronal restoration. *Int Endod J.* 1995;28(1):12–8.
- Saunders WP, Saunders EM. Coronal leakage as a cause of failure in root-canal therapy: a review. *Endod Dent Traumatol.* 1994;10(3):105–8.
- Gillen BM, Looney SW, Gu LS, et al. Impact of the quality of coronal restoration versus the quality of root canal fillings on success of root canal treatment: a systematic review and meta-analysis. *J Endod.* 2011;37(7):895–902.
- Ng YL, Mann V, Gulabivala K. Tooth survival following non-surgical root canal treatment: a systematic review of the literature. *Int Endod J.* 2010;43(3):171–89.
- Aquilino SA, Caplan DJ. Relationship between crown placement and the survival of endodontically treated teeth. *J Prosthet Dent.* 2002;87(3):256–63.
- Dietschi D, Duc O, Krejci I, Sadan A. Biomechanical considerations for the restoration of endodontically treated teeth: a systematic review of the literature. Part I (composition and micro- and macrostructure alterations). *Oper Dent.* 2007;32(6):597–609.
- Schwartz RS, Robbins JW. Post placement and restoration of endodontically treated teeth: a literature review. *J Endod.* 2004;30(5):289–301.
- Ferrari M, Vichi A, Fadda GM, et al. A randomized controlled trial of endodontically treated and restored premolars. *J Dent Res.* 2012;91(7 Suppl):72S–8S.
- European Society of Endodontology. Quality guidelines for endodontic treatment: consensus report of the European Society of Endodontology. *Int Endod J.* 2006;39(12):921–30.

Chapter 13 — Common Failures, Complications and Troubleshooting

13.1 Biological failures · 13.2 Mechanical failures · 13.3 Aesthetic failures · 13.4 Clinical troubleshooting

Core texts: [1] Chs. on assessment, repair and replacement of restorations · [2] Chs. on failure and repair of restorations · [3] Chs. on managing failing restorations · [17] · [24]

Additional

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Chapter 14 — Occlusion and Operative Dentistry: Practical Undergraduate Level

14.1 Occlusal basics for restorations · 14.2 Occlusal adjustment

Core texts: [1] Chs. on occlusion and on finishing and occlusal refinement of restorations · [2] Chs. on occlusal considerations · [18] · [19]

Additional

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- Bakke M. Bite force and occlusion. *Semin Orthod.* 2006;12(2):120–6.
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Chapter 15 — Clinical Competencies, Documentation and Professional Practice

15.1 Clinical procedures typically assessed · 15.2 Records and auditing · 15.3 Infection control and patient safety

Core texts: [1] Chs. on infection control and on clinical procedures · [2] · [3] · [24] · [25] · [26] · [27] · [28] · [32] · [33] · [34]

Additional

- General Dental Council. Standards for education: standards and requirements for providers. London: GDC; 2015. Available from: <https://www.gdc-uk.org>
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