Paediatric Dentistry I

Year 4 — Bachelor of Dental Surgery

Reference and Resource List — Chapters 7.1 to 7.12

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 paediatric dentistry textbooks

1. Welbury R, Duggal MS, Hosey MT, editors. Paediatric Dentistry. 5th ed. Oxford: Oxford University Press; 2018.
2. Dean JA, editor. McDonald and Avery's Dentistry for the Child and Adolescent. 11th ed. St Louis: Elsevier; 2021.
3. Cameron AC, Widmer RP, editors. Handbook of Pediatric Dentistry. 5th ed. St Louis: Elsevier; 2021.
4. Koch G, Poulsen S, Espelid I, Haubek D, editors. Pediatric Dentistry: A Clinical Approach. 3rd ed. Chichester: Wiley Blackwell; 2017.
5. Wright GZ, Kupietzky A, editors. Behavior Management in Dentistry for Children. 2nd ed. Ames (IA): Wiley Blackwell; 2014.
6. Fuks AB, Peretz B, editors. Pediatric Endodontics: Current Concepts in Pulp Therapy for Primary and Young Permanent Teeth. Cham: Springer; 2016.
7. Malamed SF. Handbook of Local Anesthesia. 7th ed. St Louis: Elsevier; 2020.

1.2 American Academy of Pediatric Dentistry — Reference Manual (2024)

8. American Academy of Pediatric Dentistry. Behavior guidance for the pediatric dental patient. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.
9. American Academy of Pediatric Dentistry. Use of local anesthesia for pediatric dental patients. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.
10. American Academy of Pediatric Dentistry. Use of nitrous oxide for pediatric dental patients. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.
11. American Academy of Pediatric Dentistry. Pulp therapy for primary and immature permanent teeth. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.
12. American Academy of Pediatric Dentistry. Pediatric restorative dentistry. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.
13. American Academy of Pediatric Dentistry. Periodicity of examination, preventive dental services, anticipatory guidance/counseling, and oral treatment for infants, children, and adolescents. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.
14. American Academy of Pediatric Dentistry. Caries-risk assessment and management for infants, children, and adolescents. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.
15. American Academy of Pediatric Dentistry. Pain management in infants, children, adolescents, and individuals with special health care needs. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.
16. American Academy of Pediatric Dentistry. Use of antibiotic therapy for pediatric dental patients. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.
17. American Academy of Pediatric Dentistry. Antibiotic prophylaxis for dental patients at risk for infection. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.
18. American Academy of Pediatric Dentistry. Management of dental patients with special health care needs. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.
19. American Academy of Pediatric Dentistry. Dental management of pediatric patients receiving immunosuppressive therapy and/or head and neck radiation. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.
20. American Academy of Pediatric Dentistry. Management of the developing dentition and occlusion in pediatric dentistry. In: The Reference Manual of Pediatric Dentistry. Chicago: American Academy of Pediatric Dentistry; 2024.

1.3 International and UK guidelines

21. Coté CJ, Wilson S; American Academy of Pediatrics; American Academy of Pediatric Dentistry. Guidelines for monitoring and management of pediatric patients before, during, and after sedation for diagnostic and therapeutic procedures: update 2019. Pediatr Dent. 2019;41(4):26E–52E.
22. Scottish Dental Clinical Effectiveness Programme. Drug Prescribing for Dentistry: Dental Clinical Guidance. 3rd ed. Dundee: SDCEP; 2016. Available from: https://www.sdcep.org.uk
23. Scottish Dental Clinical Effectiveness Programme. Conscious Sedation in Dentistry: Dental Clinical Guidance. 3rd ed. Dundee: SDCEP; 2017. Available from: https://www.sdcep.org.uk
24. Intercollegiate Advisory Committee for Sedation in Dentistry. Standards for Conscious Sedation in the Provision of Dental Care. London: Royal College of Surgeons of England; 2015.
25. Paediatric Formulary Committee. BNF for Children. London: BMJ Group, Pharmaceutical Press and RCPCH Publications; current edition. Available from: https://bnfc.nice.org.uk
26. Bourguignon C, Cohenca N, Lauridsen E, Flores MT, O'Connell AC, Day PF, et al. International Association of Dental Traumatology guidelines for the management of traumatic dental injuries: 1. Fractures and luxations. Dent Traumatol. 2020;36(4):314–30.
27. Day PF, Flores MT, O'Connell AC, Abbott PV, Tsilingaridis G, Fouad AF, et al. International Association of Dental Traumatology guidelines for the management of traumatic dental injuries: 3. Injuries in the primary dentition. Dent Traumatol. 2020;36(4):343–59.
28. World Health Organization. Ending Childhood Dental Caries: WHO Implementation Manual. Geneva: WHO; 2019.
29. Duncan HF, Galler KM, Tomson PL, Simon S, El-Karim I, Kundzina R, et al. European Society of Endodontology position statement: management of deep caries and the exposed pulp. Int Endod J. 2019;52(7):923–34.
30. General Dental Council. Preparing for practice: dental team learning outcomes for registration. London: GDC; 2015. Available from: https://www.gdc-uk.org
31. Dental Council of India. Bachelor of Dental Surgery (BDS) Course Regulations, 2007 (as amended). New Delhi: DCI.

1.5 Key journals for currency

International Journal of Paediatric Dentistry · European Archives of Paediatric Dentistry · Pediatric Dentistry · Journal of Clinical Pediatric Dentistry · Dental Traumatology · International Endodontic Journal · Journal of Endodontics · Caries Research · Community Dentistry and Oral Epidemiology · British Dental Journal · Journal of Dentistry

PART 2 — CHAPTER-SPECIFIC REFERENCES

Chapter 7.1 — Foundations of Paediatric Dentistry (Clinical UG Level)

Core texts: [1] Introductory chapters · [2] Chapters on examination, diagnosis and treatment planning · [3] · [4] · [13] · [14] · [28]

Additional

- Featherstone JDB. Caries prevention and reversal based on the caries balance. Pediatr Dent. 2006;28(2):128–32; discussion 192–8.

Chapter 7.2 — Behaviour Assessment and Dental Anxiety

Core texts: [1] Chapters on behaviour management · [2] Chapters on child psychology and behaviour · [5] · [8]

Additional

- Frankl SN, Shiere FR, Fogels HR. Should the parent remain with the child in the dental operatory? J Dent Child. 1962;29:150–63.
- Cuthbert MI, Melamed BG. A screening device: children at risk for dental fears and management problems. ASDC J Dent Child. 1982;49(6):432–6.
- ten Berge M, Veerkamp JS, Hoogstraten J, Prins PJ. Childhood dental fear in the Netherlands: prevalence and normative data. Community Dent Oral Epidemiol. 2002;30(2):101–7.
- Klingberg G, Broberg AG. Dental fear/anxiety and dental behaviour management problems in children and adolescents: a review of prevalence and concomitant psychological factors. Int J Paediatr Dent. 2007;17(6):391–406.
- Porritt J, Buchanan H, Hall M, Gilchrist F, Marshman Z. Assessing children's dental anxiety: a systematic review of current measures. Community Dent Oral Epidemiol. 2013;41(2):130–42.
- Armfield JM, Heaton LJ. Management of fear and anxiety in the dental clinic: a review. Aust Dent J. 2013;58(4):390–407.

Chapter 7.3 — Non-Pharmacological Behaviour Management Techniques (UG Core)

Core texts: [1] · [2] · [3] · [5] · [8]

Additional

- Peretz B, Gluck GM. Assessing an active distracting technique for local anesthetic injection in pediatric dental patients: repeated deep breathing and blowing out air. J Clin Pediatr Dent. 1999;24(1):5–8.
- Sharath A, Rekka P, Muthu MS, Rathna Prabhu V, Sivakumar N. Children's behavior pattern and behavior management techniques used in a structured postgraduate dental program. J Indian Soc Pedod Prev Dent. 2009;27(1):22–6.
- Newton T, Asimakopoulou K, Daly B, Scambler S, Scott S. The management of dental anxiety: time for a sense of proportion? Br Dent J. 2012;213(6):271–4.
- Armfield JM, Heaton LJ. Management of fear and anxiety in the dental clinic: a review. Aust Dent J. 2013;58(4):390–407.

Chapter 7.4 — Pharmacological Behaviour Management (Intro/UG Exposure Varies)

7.4.1 Local anaesthesia in children · 7.4.2 Conscious sedation (overview) · 7.4.3 General anaesthesia (awareness)

Core texts: [1] Chapters on local anaesthesia, sedation and general anaesthesia · [2] · [3] · [7] · [9] · [10] · [21] · [22] · [23] · [24]

Additional

- Kühnisch J, Daubländer M, Klingberg G, Dougall A, et al. Best clinical practice guidance for local analgesia in paediatric dentistry: an EAPD policy document. Eur Arch Paediatr Dent. 2017;18(5):313–21.
- Ashley PF, Chaudhary M, Lourenço-Matharu L. Sedation of children undergoing dental treatment. Cochrane Database Syst Rev. 2018;12(12):CD003877.

- Davies C, Harrison M, Roberts G. UK National Clinical Guidelines in Paediatric Dentistry: guideline for the use of general anaesthesia (GA) in paediatric dentistry. London: Royal College of Surgeons of England; 2008.

Chapter 7.5 — Pulp Biology and Diagnosis in Primary and Immature Permanent Teeth

Core texts: [1] Chapters on pulp therapy · [2] Chapters on pulp treatment of primary and young permanent teeth · [6] · [11] · [29]

Additional

- Ranly DM, Garcia-Godoy F. Current and potential pulp therapies for primary and young permanent teeth. J Dent. 2000;28(3):153–61.
- Rodd HD, Waterhouse PJ, Fuks AB, Fayle SA, Moffat MA; British Society of Paediatric Dentistry. Pulp therapy for primary molars. Int J Paediatr Dent. 2006;16 Suppl 1:15–23.
- Bjørndal L, Simon S, Tomson PL, Duncan HF. Management of deep caries and the exposed pulp. Int Endod J. 2019;52(7):949–73.
- Ricucci D, Siqueira JF Jr, Li Y, Tay FR. Vital pulp therapy: histopathology and histobacteriology-based guidelines to treat teeth with deep caries and pulp exposure. J Dent. 2019;86:41–52.

Chapter 7.6 — Vital Pulp Therapy in Primary Teeth

Core texts: [2] · [6] · [11] · [29]

Additional

- Fuks AB. Vital pulp therapy with new materials for primary teeth: new directions and treatment perspectives. J Endod. 2008;34(7 Suppl):S18–24.
- Parirokh M, Torabinejad M. Mineral trioxide aggregate: a comprehensive literature review – part III: clinical applications, drawbacks, and mechanism of action. J Endod. 2010;36(3):400–13.
- Coll JA, Seale NS, Vargas K, Marghalani AA, Al Shamali S, Graham L. Primary tooth vital pulp therapy: a systematic review and meta-analysis. Pediatr Dent. 2017;39(1):16–123.
- Dhar V, Marghalani AA, Crystal YO, Kumar A, Ritwik P, Tulunoglu O, et al. Use of vital pulp therapies in primary teeth with deep caries lesions. Pediatr Dent. 2017;39(5):E146–59.
- Smaïl-Faugeron V, Glenny AM, Courson F, Durieux P, Muller-Bolla M, Fron Chabouis H. Pulp treatment for extensive decay in primary teeth. Cochrane Database Syst Rev. 2018;5(5):CD003220.

Chapter 7.7 — Non-Vital Pulp Therapy in Primary Teeth (Pulpectomy)

Core texts: [2] Chapters on pulpectomy · [6] · [11]

Additional

- Kubota K, Golden BE, Penugonda B. Root canal filling materials for primary teeth: a review of the literature. ASDC J Dent Child. 1992;59(3):225–7.
- Coll JA, Sadrian R. Predicting pulpectomy success and its relationship to exfoliation and succedaneous dentition. Pediatr Dent. 1996;18(1):57–63.
- Moskovitz M, Sammara E, Holan G. Success rate of root canal treatment in primary molars. J Dent. 2005;33(1):41–7.
- Rodd HD, Waterhouse PJ, Fuks AB, Fayle SA, Moffat MA; British Society of Paediatric Dentistry. Pulp therapy for primary molars. Int J Paediatr Dent. 2006;16 Suppl 1:15–23.
- Pinky C, Shashibhushan KK, Subba Reddy VV. Endodontic treatment of necrosed primary teeth using two different combinations of antibacterial drugs: an in vivo study. J Indian Soc Pedod Prev Dent. 2011;29(2):121–7.

Chapter 7.8 — Pulp Therapy in Immature Permanent Teeth (Intro to Apex Management)

Core texts: [1] Chapters on young permanent teeth and trauma · [6] · [11] · [26] · [29]

Additional

- Cvek M. A clinical report on partial pulpotomy and capping with calcium hydroxide in permanent incisors with complicated crown fracture. J Endod. 1978;4(8):232–7.
- Banchs F, Trope M. Revascularization of immature permanent teeth with apical periodontitis: new treatment protocol? J Endod. 2004;30(4):196–200.
- Hargreaves KM, Diogenes A, Teixeira FB. Treatment options: biological basis of regenerative endodontic procedures. J Endod. 2013;39(3 Suppl):S30–43.
- Galler KM, Krastl G, Simon S, Van Gorp G, Meschi N, Vahedi B, et al. European Society of Endodontology position statement: revitalization procedures. Int Endod J. 2016;49(8):717–23.
- Duggal M, Tong HJ, Al-Ansary M, Twati W, Day PF, Nazzal H. Interventions for the endodontic management of non-vital traumatised immature permanent anterior teeth in children and adolescents: a systematic review of the evidence and guidelines of the European Academy of Paediatric Dentistry. Eur Arch Paediatr Dent. 2017;18(3):139–51.
- Torabinejad M, Nosrat A, Verma P, Udochukwu O. Regenerative endodontic treatment or mineral trioxide aggregate apical plug in teeth with necrotic pulps and open apices: a systematic review and meta-analysis. J Endod. 2017;43(11):1806–20.
- Bjørndal L, Simon S, Tomson PL, Duncan HF. Management of deep caries and the exposed pulp. Int Endod J. 2019;52(7):949–73.

Chapter 7.9 — Restoration After Pulp Therapy in Children

7.9.1 Coronal seal importance · 7.9.2 Stainless steel crowns (SSC) · 7.9.3 Space implications

Core texts: [1] Chapters on restorative care of primary teeth · [2] · [3] · [11] · [12] · [20]

Additional

- Croll TP, Killian CM. Zinc oxide-eugenol pulpotomy and stainless steel crown restoration of a primary molar. Quintessence Int. 1992;23(6):383–8.
- Innes NPT, Stirrups DR, Evans DJP, Hall N, Leggate M. A novel technique using preformed metal crowns for managing carious primary molars in general practice – a retrospective analysis. Br Dent J. 2006;200(8):451–4.
- Kindelan SA, Day P, Nichol R, Willmott N, Fayle SA; British Society of Paediatric Dentistry. UK National Clinical Guidelines in Paediatric Dentistry: stainless steel preformed crowns for primary molars. Int J Paediatr Dent. 2008;18 Suppl 1:20–8.
- Innes NPT, Ricketts D, Chong LY, Keightley AJ, Lamont T, Santamaria RM. Preformed crowns for decayed primary molar teeth. Cochrane Database Syst Rev. 2015;(12):CD005512.
- Seale NS, Randall R. The use of stainless steel crowns: a systematic literature review. Pediatr Dent. 2015;37(2):145–60.
- Santamaría RM, Innes NPT, Machiulskiene V, Schmoeckel J, Alkilzy M, Splieth CH. Alternative caries management options for primary molars: 2.5-year outcomes of a randomised clinical trial. Caries Res. 2017;51(6):605–14.

Chapter 7.10 — Pain, Infection, Emergencies and Antibiotics (Paediatric Context)

7.10.1 Acute dental pain in children · 7.10.2 Dentoalveolar infection · 7.10.3 Trauma overlap (intro)

Core texts: [1] Chapters on dental emergencies and infection · [2] · [15] · [16] · [22] · [25] · [26] · [27]

Additional

- Flynn TR. Principles and surgical management of head and neck infections. In: Bagheri SC, Bell RB, Khan HA, editors. Current Therapy in Oral and Maxillofacial Surgery. St Louis: Elsevier Saunders; 2012.

- Cope AL, Francis NA, Wood F, Chestnutt IG. Systemic antibiotics for symptomatic apical periodontitis and acute apical abscess in adults. Cochrane Database Syst Rev. 2018;9(9):CD010136.
- Levin L, Day PF, Hicks L, O'Connell A, Fouad AF, Bourguignon C, et al. International Association of Dental Traumatology guidelines for the management of traumatic dental injuries: general introduction. Dent Traumatol. 2020;36(4):309–13.

Chapter 7.11 — Special Care / Medically Compromised Children

Core texts: [1] Chapters on children with special needs and medical conditions · [2] · [3] · [17] · [18] · [19]

Additional

- National Institute for Health and Care Excellence. Prophylaxis against infective endocarditis: antimicrobial prophylaxis against infective endocarditis in adults and children undergoing interventional procedures. Clinical guideline CG64. London: NICE; 2008 (updated 2016).
- National Institute for Health and Care Excellence. Autism spectrum disorder in under 19s: support and management. Clinical guideline CG170. London: NICE; 2013 (updated 2021).
- Delli K, Reichart PA, Bornstein MM, Livas C. Management of children with autism spectrum disorder in the dental setting: concerns, behavioural approaches and recommendations. Med Oral Patol Oral Cir Bucal. 2013;18(6):e862–8.
- Wilson WR, Gewitz M, Lockhart PB, Bolger AF, DeSimone DC, Kazi DS, et al. Prevention of viridans group streptococcal infective endocarditis: a scientific statement from the American Heart Association. Circulation. 2021;143(20):e963–78.
- Scottish Dental Clinical Effectiveness Programme. Management of Dental Patients Taking Anticoagulants or Antiplatelet Drugs: Dental Clinical Guidance. 2nd ed. Dundee: SDCEP; 2022.
- British Thoracic Society, National Institute for Health and Care Excellence, Scottish Intercollegiate Guidelines Network. Asthma: diagnosis, monitoring and chronic asthma management. NICE guideline NG245. London: NICE; 2024.

Chapter 7.12 — Clinical Competencies, OSCE/Viva Headings (Year 4)

Core texts: [1] · [2] · [3] · [5] · [8] · [9] · [11] · [12] — see also the chapter-specific sources for Chapters 7.1–7.11

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