General Medicine (Systemic Diseases Relevant to Dentistry)

Year 3 — Bachelor of Dental Surgery

Reference and Resource List — Chapters 1 to 17

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 general medicine textbooks

1. Strachan MWJ, Ralston SH, Dhaun N, Sutherland R, editors. Davidson's Principles and Practice of Medicine. 25th ed. Edinburgh: Elsevier; 2026.

2. Feather A, Randall D, Waterhouse M, editors. Kumar and Clark's Clinical Medicine. 10th ed. Edinburgh: Elsevier; 2020.

3. Loscalzo J, Fauci AS, Kasper DL, Hauser SL, Longo DL, Jameson JL, editors. Harrison's Principles of Internal Medicine. 21st ed. New York: McGraw Hill; 2022.

4. Wilkinson IB, Raine T, Wiles K, Goodhart A, Hall C, O'Neill H. Oxford Handbook of Clinical Medicine. 10th ed. Oxford: Oxford University Press; 2017.

5. Innes JA, Dover AR, Fairhurst K, editors. Macleod's Clinical Examination. 14th ed. Edinburgh: Elsevier; 2018.

6. Munjal YP, editor. API Textbook of Medicine. 11th ed. New Delhi: Jaypee Brothers Medical Publishers; 2019.

1.2 Medicine and surgery applied to dentistry

7. Miller CS, Rhodus NL, Treister NS, Stoopler ET, Kerr AR. Little and Falace's Dental Management of the Medically Compromised Patient. 10th ed. St Louis: Elsevier; 2023.

8. Scully C. Scully's Medical Problems in Dentistry. 7th ed. Edinburgh: Churchill Livingstone/Elsevier; 2014.

9. Scully C. Scully's Handbook of Medical Problems in Dentistry. Edinburgh: Elsevier; 2016.

10. Greenwood M, Meechan JG. General Medicine and Surgery for Dental Practitioners. 3rd ed. Cham: Springer; 2019.

11. Glick M, Greenberg MS, Lockhart PB, Challacombe SJ, editors. Burket's Oral Medicine. 13th ed. Hoboken (NJ): Wiley Blackwell; 2021.

12. Challacombe SJ, Carey B, Setterfield J. Scully's Oral and Maxillofacial Medicine: The Basis of Diagnosis and Treatment. 4th ed. Edinburgh: Elsevier; 2023.

1.3 Pharmacology, therapeutics and prescribing

13. Joint Formulary Committee. British National Formulary. London: BMJ Group and Pharmaceutical Press. Available from: https://bnf.nice.org.uk

14. Scottish Dental Clinical Effectiveness Programme. Drug Prescribing for Dentistry: Dental Clinical Guidance. 3rd ed. Dundee: SDCEP; 2016. Available from: https://www.sdcep.org.uk

15. Ritter JM, Flower RJ, Henderson G, Loke YK, MacEwan DJ, Robinson ES, et al. Rang and Dale's Pharmacology. 10th ed. Edinburgh: Elsevier; 2023.

16. Dowd FJ, Johnson BS, Mariotti AJ, editors. Pharmacology and Therapeutics for Dentistry. 7th ed. St Louis: Elsevier; 2017.

17. Tripathi KD. Essentials of Medical Pharmacology. 8th ed. New Delhi: Jaypee Brothers Medical Publishers; 2018.

18. Medicines and Healthcare products Regulatory Agency. Drug Safety Update. London: MHRA. Available from: https://www.gov.uk/drug-safety-update

1.4 Clinical investigation and laboratory medicine

19. Provan D, editor. Oxford Handbook of Clinical and Laboratory Investigation. 4th ed. Oxford: Oxford University Press; 2018.

20. Hoffbrand AV, Moss PAH. Hoffbrand's Essential Haematology. 8th ed. Oxford: Wiley Blackwell; 2019.

21. Hampton J, Adlam D. The ECG Made Easy. 9th ed. Edinburgh: Elsevier; 2019.

1.5 Infection prevention, immunisation and occupational health

22. Department of Health and Social Care. Health Technical Memorandum 01-05: decontamination in primary care dental practices. London: DHSC. Available from: https://www.gov.uk

23. UK Health Security Agency. Immunisation against infectious disease (the Green Book). London: UKHSA. Available from: https://www.gov.uk/government/collections/immunisation-against-infectious-disease-the-green-book

24. Centers for Disease Control and Prevention. Summary of infection prevention practices in dental settings: basic expectations for safe care. Atlanta (GA): CDC; 2016. Available from: https://www.cdc.gov

25. World Health Organization. WHO guidelines on hand hygiene in health care. Geneva: WHO; 2009. Available from: https://www.who.int

1.6 Guidelines, professional standards and regulation

26. National Institute for Health and Care Excellence. Prophylaxis against infective endocarditis: antimicrobial prophylaxis against infective endocarditis in adults and children undergoing interventional procedures. NICE clinical guideline CG64. London: NICE; 2008 (updated 2016). Available from: https://www.nice.org.uk/guidance/cg64

27. Scottish Dental Clinical Effectiveness Programme. Antibiotic Prophylaxis Against Infective Endocarditis: implementation advice. 2nd ed. Dundee: SDCEP. Available from: https://www.sdcep.org.uk/published-guidance/antibiotic-prophylaxis/

28. Scottish Dental Clinical Effectiveness Programme. Management of Dental Patients Taking Anticoagulants or Antiplatelet Drugs. 2nd ed. Dundee: SDCEP; 2022. Available from: https://www.sdcep.org.uk/published-guidance/anticoagulants-and-antiplatelets/

29. Scottish Dental Clinical Effectiveness Programme. Oral Health Management of Patients at Risk of Medication-related Osteonecrosis of the Jaw. 2nd ed. Dundee: SDCEP; 2017. Available from: https://www.sdcep.org.uk

30. Scottish Dental Clinical Effectiveness Programme. Management of Acute Dental Problems. 2nd ed. Dundee: SDCEP. Available from: https://www.sdcep.org.uk

31. Resuscitation Council UK. Resuscitation Guidelines. London: Resuscitation Council UK; 2021. Available from: https://www.resus.org.uk

32. Resuscitation Council UK. Quality standards for cardiopulmonary resuscitation practice and training: primary dental care. London: Resuscitation Council UK. Available from: https://www.resus.org.uk

33. National Institute for Health and Care Excellence. Antimicrobial stewardship: systems and processes for effective antimicrobial medicine use. NICE guideline NG15. London: NICE; 2015. Available from: https://www.nice.org.uk/guidance/ng15

34. Faculty of General Dental Practice (UK) and Faculty of Dental Surgery. Antimicrobial Prescribing in Dentistry: Good Practice Guidelines. 3rd ed. London: FGDP(UK); 2020.

35. General Dental Council. The Safe Practitioner: a framework of behaviours and outcomes for dental professional education. London: GDC; 2023. Available from: https://www.gdc-uk.org

36. Dental Council of India. Bachelor of Dental Surgery (BDS) Course Regulations, 2007 (as amended). New Delhi: DCI.

37. World Health Organization. WHO Model List of Essential Medicines. Geneva: WHO. Available from: https://www.who.int

1.7 Key journals for currency

British Dental Journal · Journal of the American Dental Association · Oral Diseases · Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology · Journal of Oral Pathology & Medicine · Special Care in Dentistry · Journal of Dental Research · British Medical Journal · The Lancet · New England Journal of Medicine · British Journal of Oral and Maxillofacial Surgery · International Dental Journal

PART 2 — CHAPTER-SPECIFIC REFERENCES

Chapter 1 — Foundations of "Medicine for Dentists"

1.1 Why systemic disease matters in dentistry (risk, diagnosis, treatment modification) · 1.2 Medical history-taking structure (CC, HPI, PMH, PSH, DHx, allergies, SHx) · 1.3 Drug history essentials (prescribed/OTC/herbal; adherence; adverse reactions) · 1.4 Allergy and adverse drug reaction differentiation (true allergy vs side effects) · 1.5 Baseline observations in dental settings (BP, pulse, SpO_2, temp — intro) · 1.6 ASA classification concept and fitness for dental care (intro) · 1.7 Consent and documentation for medically complex patients (intro) · 1.8 When to defer treatment and refer (red flags, unstable disease)

> **Core texts:** [7] Ch. 1 (Patient evaluation and risk assessment) · [8] Chs. on medical history and risk assessment, and perioperative care · [9] Chs. on risk assessment and patient access · [10] Introductory chapters on the medical–dental interface · [5] Chs. on history taking and the general examination · [4] Chs. on clinical skills and presenting problems · [32] · [35] · [36]

Additional

- American Society of Anesthesiologists. ASA Physical Status Classification System. Schaumburg (IL): ASA. Available from: https://www.asahq.org
- General Dental Council. Standards for the Dental Team. London: GDC; 2013. Available from: https://standards.gdc-uk.org
- Montgomery v Lanarkshire Health Board [2015] UKSC 11. Available from: https://www.supremecourt.uk
- Glick M. Screening for traditional risk factors for cardiovascular disease: a review for oral health care providers. J Am Dent Assoc. 2002;133(3):291–300.
- National Institute for Health and Care Excellence. Patient experience in adult NHS services: improving the experience of care for people using adult NHS services. NICE clinical guideline CG138. London: NICE; 2012. Available from: https://www.nice.org.uk/guidance/cg138

Chapter 2 — Common Medical Investigations (Dentist-Relevant Interpretation)

2.1 CBC basics: anemia, infection markers, platelet count relevance · 2.2 Blood glucose (FBS/RBS/HbA1c) relevance to infection and healing · 2.3 Coagulation profile: PT/INR, aPTT (bleeding risk relevance) · 2.4 Renal function: urea/creatinine/eGFR (drug dosing relevance) · 2.5 Liver function tests (LFTs): metabolism and bleeding relevance (intro) · 2.6 ECG awareness (basic) and when it matters for dental care (intro)

> **Core texts:** [19] Chs. on haematology, biochemistry, endocrinology and coagulation · [20] Chs. on the blood count, anaemias and haemostasis · [21] Chs. on the normal ECG and common abnormalities · [1] Chs. on clinical biochemistry and metabolic medicine · [2] Chs. on investigations in haematology and biochemistry · [7] Ch. 1 and the appendices on laboratory values

Additional

- World Health Organization. Use of glycated haemoglobin (HbA1c) in the diagnosis of diabetes mellitus. Geneva: WHO; 2011. Available from: https://www.who.int
- World Health Organization. Haemoglobin concentrations for the diagnosis of anaemia and assessment of severity. Geneva: WHO; 2011. Available from: https://www.who.int
- Snook J, Bhala N, Beales ILP, et al. British Society of Gastroenterology guidelines for the management of iron deficiency anaemia in adults. Gut. 2021;70(11):2030–51.
- Keeling D, Baglin T, Tait C, et al. Guidelines on oral anticoagulation with warfarin – fourth edition. Br J Haematol. 2011;154(3):311–24.
- National Institute for Health and Care Excellence. Blood transfusion. NICE guideline NG24. London: NICE; 2015. Available from: https://www.nice.org.uk/guidance/ng24

Chapter 3 — Cardiovascular Diseases and Dentistry

3.1 Hypertension: diagnosis thresholds concept; dental implications · 3.2 Ischemic heart disease: angina vs MI history; stable vs unstable · 3.3 Heart failure: symptoms, severity cues, chair position and stress reduction · 3.4 Arrhythmias: AF awareness; pacemakers/ICDs · 3.5 Valvular heart disease and murmurs: significance and referral awareness · 3.6 Antiplatelet therapy: aspirin/clopidogrel — bleeding considerations · 3.7 Anticoagulants: warfarin (INR concept) and DOACs — dental planning principles · 3.8 Infective endocarditis: risk concept and antibiotic prophylaxis awareness · 3.9 Local anaesthetic with vasoconstrictor: indications, cautions, dose concepts · 3.10 Stroke/TIA history: risk assessment and dental planning basics

Core texts: [7] Ch. 2 (Cardiovascular disease) · [8] Chs. on cardiovascular medicine · [1] Ch. on cardiology · [3] Chs. on disorders of the cardiovascular system · [6] Section on cardiology · [16] Chs. on local anaesthetics and vasoconstrictors · [21] · [26] · [27] · [28]

Additional

- National Institute for Health and Care Excellence. Hypertension in adults: diagnosis and management. NICE guideline NG136. London: NICE; 2019. Available from: https://www.nice.org.uk/guidance/ng136
- Williams B, Mancia G, Spiering W, et al. 2018 ESC/ESH guidelines for the management of arterial hypertension. Eur Heart J. 2018;39(33):3021–104.
- National Institute for Health and Care Excellence. Chronic heart failure in adults: diagnosis and management. NICE guideline NG106. London: NICE; 2018. Available from: https://www.nice.org.uk/guidance/ng106
- National Institute for Health and Care Excellence. Atrial fibrillation: diagnosis and management. NICE guideline NG196. London: NICE; 2021. Available from: https://www.nice.org.uk/guidance/ng196
- National Institute for Health and Care Excellence. Acute coronary syndromes. NICE guideline NG185. London: NICE; 2020. Available from: https://www.nice.org.uk/guidance/ng185
- Wilson WR, Gewitz M, Lockhart PB, et al. Prevention of viridans group streptococcal infective endocarditis: a scientific statement from the American Heart Association. Circulation. 2021;143(20):e963–78.
- Delgado V, Ajmone Marsan N, de Waha S, et al. 2023 ESC guidelines for the management of endocarditis. Eur Heart J. 2023;44(39):3948–4042.
- Thornhill MH, Dayer MJ, Forde JM, et al. Impact of the NICE guideline recommending cessation of antibiotic prophylaxis for prevention of infective endocarditis: before and after study. BMJ. 2011;342:d2392.
- Bader JD, Bonito AJ, Shugars DA. A systematic review of cardiovascular effects of epinephrine on hypertensive dental patients. Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2002;93(6):647–53.
- Lockhart PB, Bolger AF, Papapanou PN, et al. Periodontal disease and atherosclerotic vascular disease: does the evidence support an independent association? Circulation. 2012;125(20):2520–44.

- Sanz M, Marco del Castillo A, Jepsen S, et al. Periodontitis and cardiovascular diseases: consensus report. J Clin Periodontol. 2020;47(3):268–88.

Chapter 4 — Respiratory Diseases and Dentistry

4.1 Asthma: triggers, inhaler use, dental appointment planning · 4.2 COPD: oxygenation issues, chair position, short appointments · 4.3 Acute respiratory infections: when to postpone elective care · 4.4 Tuberculosis awareness: screening questions and referral/infection control · 4.5 Obstructive sleep apnea (OSA) awareness and dental relevance

Core texts: [7] Ch. 3 (Pulmonary disease) · [8] Chs. on respiratory medicine · [1] Ch. on respiratory disease · [2] Ch. on respiratory disease · [9] Section on respiratory disorders · [24]

Additional

- National Institute for Health and Care Excellence, British Thoracic Society, Scottish Intercollegiate Guidelines Network. Asthma: diagnosis, monitoring and chronic asthma management. NICE guideline NG245. London: NICE; 2024. Available from: https://www.nice.org.uk/guidance/ng245
- Global Initiative for Asthma. Global strategy for asthma management and prevention. GINA. Available from: https://ginasthma.org
- National Institute for Health and Care Excellence. Chronic obstructive pulmonary disease in over 16s: diagnosis and management. NICE guideline NG115. London: NICE; 2018. Available from: https://www.nice.org.uk/guidance/ng115
- Global Initiative for Chronic Obstructive Lung Disease. Global strategy for the diagnosis, management and prevention of chronic obstructive pulmonary disease. GOLD. Available from: https://goldcopd.org
- National Institute for Health and Care Excellence. Tuberculosis. NICE guideline NG33. London: NICE; 2016. Available from: https://www.nice.org.uk/guidance/ng33
- World Health Organization. WHO consolidated guidelines on tuberculosis. Geneva: WHO. Available from: https://www.who.int
- National Institute for Health and Care Excellence. Obstructive sleep apnoea/hypopnoea syndrome and obesity hypoventilation syndrome in over 16s. NICE guideline NG202. London: NICE; 2021. Available from: https://www.nice.org.uk/guidance/ng202
- Ramar K, Dort LC, Katz SG, et al. Clinical practice guideline for the treatment of obstructive sleep apnea and snoring with oral appliance therapy: an update for 2015. J Clin Sleep Med. 2015;11(7):773–827.
- Steinbacher DM, Glick M. The dental patient with asthma: an update and oral health considerations. J Am Dent Assoc. 2001;132(9):1229–39.
- Scannapieco FA. Role of oral bacteria in respiratory infection. J Periodontol. 1999;70(7):793–802.

Chapter 5 — Endocrine Disorders and Dentistry

5.1–5.4 Diabetes mellitus: classification and diagnosis, glycaemic control and HbA1c, hypoglycaemia recognition and emergency management, and dental care planning (infection, healing and periodontal risk) · 5.5 Thyroid disorders: hypothyroidism and hyperthyroidism awareness · 5.6 Adrenal disorders and corticosteroid therapy: adrenal suppression concept · 5.7 Pregnancy: physiological changes, safe prescribing and dental care

Core texts: [7] Ch. 6 (Endocrine and metabolic disease) and Ch. on women's health · [8] Chs. on endocrinology and on pregnancy · [1] Chs. on diabetes mellitus and endocrinology · [3] Chs. on endocrinology and metabolism · [6] Section on endocrinology · [9] Section on endocrine disorders

Additional

- National Institute for Health and Care Excellence. Type 1 diabetes in adults: diagnosis and management. NICE guideline NG17. London: NICE; 2015. Available from: https://www.nice.org.uk/guidance/ng17
- National Institute for Health and Care Excellence. Type 2 diabetes in adults: management. NICE guideline NG28. London: NICE; 2015. Available from: https://www.nice.org.uk/guidance/ng28

- American Diabetes Association Professional Practice Committee. Standards of Care in Diabetes. Diabetes Care (published annually as Supplement 1). Available from: https://diabetesjournals.org/care
- International Diabetes Federation. IDF Diabetes Atlas. 10th ed. Brussels: IDF; 2021. Available from: https://diabetesatlas.org
- Sanz M, Ceriello A, Buysschaert M, et al. Scientific evidence on the links between periodontal diseases and diabetes: consensus report and guidelines of the joint workshop on periodontal diseases and diabetes. J Clin Periodontol. 2018;45(2):138–49.
- Preshaw PM, Alba AL, Herrera D, et al. Periodontitis and diabetes: a two-way relationship. Diabetologia. 2012;55(1):21–31.
- National Institute for Health and Care Excellence. Thyroid disease: assessment and management. NICE guideline NG145. London: NICE; 2019. Available from: https://www.nice.org.uk/guidance/ng145
- Pinto A, Glick M. Management of patients with thyroid disease: oral health considerations. J Am Dent Assoc. 2002;133(7):849–58.
- Gibson N, Ferguson JW. Steroid cover for dental patients on long-term steroid medication: proposed clinical guidelines based upon a critical review of the literature. Br Dent J. 2004;197(11):681–5.
- Society for Endocrinology. Emergency guidance: acute adrenal insufficiency. Bristol: Society for Endocrinology. Available from: https://www.endocrinology.org
- Steinberg BJ, Hilton IV, Iida H, Samelson R. Oral health and dental care during pregnancy. Dent Clin North Am. 2013;57(2):195–210.
- Committee on Health Care for Underserved Women, American College of Obstetricians and Gynecologists. Committee opinion no. 569: oral health care during pregnancy and through the lifespan. Obstet Gynecol. 2013;122(2 Pt 1):417–22.

Chapter 6 — Hematology and Bleeding Disorders

6.1 Anemia types overview: iron deficiency vs B12/folate (clinical cues) · 6.2 Thrombocytopenia: bleeding risk concept and dental caution · 6.3 Hemophilia and inherited bleeding disorders: referral-based management principles · 6.4 von Willebrand disease awareness · 6.5 Leukemia/lymphoma awareness: oral signs (gingival enlargement, infections) · 6.6 Anticoagulants/antiplatelets recap: bleeding risk assessment and local protocol awareness · 6.7 Local hemostatic measures: pressure, sutures, local agents awareness

> **Core texts:** [7] Ch. 8 (Hematologic and oncologic disease) and Ch. on bleeding disorders · [20] Chs. on anaemias, leukaemias, lymphomas and haemostasis · [8] Chs. on haematology · [11] Chs. on haematological disease and oral manifestations · [1] Ch. on haematology and transfusion medicine · [28]

Additional

- Srivastava A, Santagostino E, Dougall A, et al. WFH guidelines for the management of hemophilia, 3rd edition. Haemophilia. 2020;26 Suppl 6:1–158.
- Connell NT, Flood VH, Brignardello-Petersen R, et al. ASH ISTH NHF WFH 2021 guidelines on the management of von Willebrand disease. Blood Adv. 2021;5(1):301–25.
- Anderson JAM, Brewer A, Creagh D, et al. Guidance on the dental management of patients with haemophilia and congenital bleeding disorders. Br Dent J. 2013;215(10):497–504.
- United Kingdom Haemophilia Centre Doctors' Organisation. Guidelines. Manchester: UKHCDO. Available from: https://www.ukhcdo.org
- British Society for Haematology. Guidelines. London: BSH. Available from: https://b-s-h.org.uk
- Wahl MJ. Myths of dental surgery in patients receiving anticoagulant therapy. J Am Dent Assoc. 2000;131(1):77–81.

Chapter 7 — Renal Disease and Dentistry

7.1 Chronic kidney disease: key features and complications · 7.2 Dialysis: scheduling considerations and infection risk awareness · 7.3 Drug dosing implications: renally excreted drugs awareness · 7.4 Bleeding tendency and anemia in CKD · 7.5 Transplant patients awareness: immunosuppression implications

> **Core texts:** [7] Ch. 5 (Genitourinary disease) · [8] Chs. on renal disease and on transplantation · [1] Ch. on nephrology and urology · [2] Ch. on kidney and urinary tract disease · [13] Appendices on prescribing in renal impairment · [19]

Additional

- National Institute for Health and Care Excellence. Chronic kidney disease: assessment and management. NICE guideline NG203. London: NICE; 2021. Available from: https://www.nice.org.uk/guidance/ng203
- Kidney Disease: Improving Global Outcomes (KDIGO) CKD Work Group. KDIGO 2024 clinical practice guideline for the evaluation and management of chronic kidney disease. Kidney Int. 2024;105(4S):S117–314.
- UK Kidney Association. Clinical practice guidelines. Bristol: UKKA. Available from: https://ukkidney.org
- Proctor R, Kumar N, Stein A, Moles D, Porter S. Oral and dental aspects of chronic renal failure. J Dent Res. 2005;84(3):199–208.
- Craig RG. Interactions between chronic renal disease and periodontal disease. Oral Dis. 2008;14(1):1–7.
- Ashley C, Dunleavy A, editors. The Renal Drug Handbook. 5th ed. Boca Raton (FL): CRC Press; 2018.

Chapter 8 — Liver Disease and Dentistry

8.1 Hepatitis (B/C) overview: transmission, screening questions, standard precautions · 8.2 Cirrhosis: bleeding risk and drug metabolism implications · 8.3 LFT relevance and when to request medical advice · 8.4 Analgesics and liver disease: paracetamol caution concepts · 8.5 Alcohol use disorder: oral effects and dental management considerations

> **Core texts:** [7] Ch. 4 (Gastrointestinal and hepatic disease) · [8] Chs. on hepatology and on bleeding tendencies · [1] Ch. on hepatology · [13] Appendices on prescribing in hepatic impairment · [14] · [23]

Additional

- National Institute for Health and Care Excellence. Cirrhosis in over 16s: assessment and management. NICE guideline NG50. London: NICE; 2016. Available from: https://www.nice.org.uk/guidance/ng50
- European Association for the Study of the Liver. EASL 2017 clinical practice guidelines on the management of hepatitis B virus infection. J Hepatol. 2017;67(2):370–98.
- World Health Organization. Guidelines for the care and treatment of persons diagnosed with chronic hepatitis C virus infection. Geneva: WHO; 2018. Available from: https://www.who.int
- Tripodi A, Mannucci PM. The coagulopathy of chronic liver disease. N Engl J Med. 2011;365(2):147–56.
- Chandok N, Watt KD. Pain management in the cirrhotic patient: the clinical challenge. Mayo Clin Proc. 2010;85(5):451–8.
- Cruz-Pamplona M, Margaix-Muñoz M, Sarrión-Pérez MG. Dental considerations in patients with liver disease. J Clin Exp Dent. 2011;3(2):e127–34.
- National Institute for Health and Care Excellence. Alcohol-use disorders: diagnosis, assessment and management of harmful drinking (high-risk drinking) and alcohol dependence. NICE clinical guideline CG115. London: NICE; 2011. Available from: https://www.nice.org.uk/guidance/cg115

Chapter 9 — Infectious Diseases of Dental Importance

9.1 Blood-borne viruses: HBV, HCV, HIV — standard precautions and stigma-free care · 9.2 HIV basics: oral manifestations awareness and referral principles · 9.3 Post-exposure protocols awareness (needlestick

injuries) · 9.4 Infective endocarditis recap: bacteremia risk procedures concept · 9.5 Vaccination awareness for healthcare workers

> **Core texts:** [7] Ch. 7 (Immunologic disease) and Chs. on infectious disease · [11] Chs. on infectious diseases and HIV-associated oral lesions · [8] Chs. on infections and infection control · [22] · [23] · [24] · [25] · [26] · [27]

Additional

- Kohn WG, Collins AS, Cleveland JL, Harte JA, Eklund KJ, Malvitz DM. Guidelines for infection control in dental health-care settings — 2003. MMWR Recomm Rep. 2003;52(RR-17):1–61.
- UK Health Security Agency. Integrated guidance on health clearance of healthcare workers and the management of healthcare workers living with bloodborne viruses. London: UKHSA. Available from: https://www.gov.uk
- World Health Organization. Guidelines on post-exposure prophylaxis for HIV and the use of co-trimoxazole prophylaxis for HIV-related infections among adults, adolescents and children. Geneva: WHO; 2014. Available from: https://www.who.int
- EC-Clearinghouse on Oral Problems Related to HIV Infection and WHO Collaborating Centre on Oral Manifestations of the Human Immunodeficiency Virus. Classification and diagnostic criteria for oral lesions in HIV infection. J Oral Pathol Med. 1993;22(7):289–91.
- British HIV Association. BHIVA guidelines. London: BHIVA. Available from: https://www.bhiva.org
- Patton LL. Oral lesions associated with human immunodeficiency virus disease. Dent Clin North Am. 2013;57(4):673–98.
- Health and Safety Executive. Health and Safety (Sharp Instruments in Healthcare) Regulations 2013: guidance for employers and employees. Norwich: HSE. Available from: https://www.hse.gov.uk

Chapter 10 — Neurologic Disorders and Dentistry

10.1 Epilepsy: triggers, medication effects (gingival enlargement awareness), appointment planning · 10.2 Stroke/TIA: deficits, aspiration risk awareness, consent capacity considerations · 10.3 Parkinson's disease: tremor, drooling, oral hygiene challenges · 10.4 Dementia/cognitive impairment: communication, consent, caregiver involvement · 10.5 Trigeminal neuralgia awareness: pain characteristics and referral principles

> **Core texts:** [7] Ch. 9 (Neurologic, behavioral and psychiatric disorders) · [8] Chs. on neurology · [1] Ch. on neurology · [2] Ch. on neurological disease · [11] Chs. on orofacial pain and neurological disorders · [12] Chs. on facial pain

Additional

- National Institute for Health and Care Excellence. Epilepsies in children, young people and adults. NICE guideline NG217. London: NICE; 2022. Available from: https://www.nice.org.uk/guidance/ng217
- Aragon CE, Burneo JG. Understanding the patient with epilepsy and seizures in the dental practice. J Can Dent Assoc. 2007;73(1):71–6.
- National Institute for Health and Care Excellence. Stroke and transient ischaemic attack in over 16s: diagnosis and initial management. NICE guideline NG128. London: NICE; 2019. Available from: https://www.nice.org.uk/guidance/ng128
- Intercollegiate Stroke Working Party. National clinical guideline for stroke for the UK and Ireland. London: Royal College of Physicians; 2023. Available from: https://www.strokeguideline.org
- National Institute for Health and Care Excellence. Parkinson's disease in adults. NICE guideline NG71. London: NICE; 2017. Available from: https://www.nice.org.uk/guidance/ng71
- Friedlander AH, Mahler M, Norman KM, Ettinger RL. Parkinson disease: systemic and orofacial manifestations, medical and dental management. J Am Dent Assoc. 2009;140(6):658–69.
- National Institute for Health and Care Excellence. Dementia: assessment, management and support for people living with dementia and their carers. NICE guideline NG97. London: NICE; 2018. Available from: https://www.nice.org.uk/guidance/ng97

- Delwel S, Binnekade TT, Perez RSGM, Hertogh CMPM, Scherder EJA, Lobbezoo F. Oral health and orofacial pain in older people with dementia: a systematic review with focus on dental hard tissues. Clin Oral Investig. 2017;21(1):17–32.
- Cruccu G, Finnerup NB, Jensen TS, et al. Trigeminal neuralgia: new classification and diagnostic grading for practice and research. Neurology. 2016;87(2):220–8.
- Bendtsen L, Zakrzewska JM, Abbott J, et al. European Academy of Neurology guideline on trigeminal neuralgia. Eur J Neurol. 2019;26(6):831–49.
- National Institute for Health and Care Excellence. Neuropathic pain in adults: pharmacological management in non-specialist settings. NICE clinical guideline CG173. London: NICE; 2013. Available from: https://www.nice.org.uk/guidance/cg173

Chapter 11 — Gastrointestinal Disorders and Dentistry

11.1 GERD: dental erosion link; management advice awareness · 11.2 Peptic ulcer disease: NSAID cautions · 11.3 Inflammatory bowel disease: aphthous ulcers awareness; anaemia link · 11.4 Liver-related GI issues cross-link (portal hypertension awareness)

> **Core texts:** [7] Ch. 4 (Gastrointestinal and hepatic disease) · [8] Chs. on gastroenterology · [1] Ch. on gastroenterology · [12] Chs. on oral ulceration and its systemic associations · [11] Chs. on ulcerative and vesiculobullous lesions · [13] Sections on NSAIDs and gastroprotection

Additional

- Katz PO, Dunbar KB, Schnoll-Sussman FH, Greer KB, Yadlapati R, Spechler SJ. ACG clinical guideline for the diagnosis and management of gastroesophageal reflux disease. Am J Gastroenterol. 2022;117(1):27–56.
- National Institute for Health and Care Excellence. Gastro-oesophageal reflux disease and dyspepsia in adults: investigation and management. NICE clinical guideline CG184. London: NICE; 2014. Available from: https://www.nice.org.uk/guidance/cg184
- Bartlett DW, Evans DF, Smith BG. The relationship between gastro-oesophageal reflux disease and dental erosion. J Oral Rehabil. 1996;23(4):289–97.
- 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:S65–68.
- Ranjitkar S, Smales RJ, Kaidonis JA. Oral manifestations of gastroesophageal reflux disease. J Gastroenterol Hepatol. 2012;27(1):21–7.
- National Institute for Health and Care Excellence. Crohn's disease: management. NICE guideline NG151. London: NICE; 2019. Available from: https://www.nice.org.uk/guidance/ng151
- National Institute for Health and Care Excellence. Ulcerative colitis: management. NICE guideline NG130. London: NICE; 2019. Available from: https://www.nice.org.uk/guidance/ng130
- Muhvić-Urek M, Tomac-Stojmenović M, Mijandrušić-Sinčić B. Oral pathology in inflammatory bowel disease. World J Gastroenterol. 2016;22(25):5655–67.
- Garcia-Tsao G, Abraldes JG, Berzigotti A, Bosch J. Portal hypertensive bleeding in cirrhosis: risk stratification, diagnosis and management — 2016 practice guidance by the American Association for the Study of Liver Diseases. Hepatology. 2017;65(1):310–35.

Chapter 12 — Rheumatology and Musculoskeletal Disorders

12.1 Rheumatoid arthritis: TMJ involvement awareness; dexterity issues for oral hygiene · 12.2 Osteoarthritis: common features; chair positioning considerations · 12.3 Ankylosing spondylitis awareness: posture limitations · 12.4 Bisphosphonates/anti-resorptives awareness: oral implications and referral-based planning · 12.5 Chronic pain syndromes awareness and medication considerations

> **Core texts:** [7] Ch. 7 (Immunologic disease) and Ch. on musculoskeletal disease · [8] Chs. on rheumatology and bone disease · [1] Ch. on rheumatology and bone disease · [11] Chs. on temporomandibular disorders and connective tissue disease · [29]

Additional

- National Institute for Health and Care Excellence. Rheumatoid arthritis in adults: management. NICE guideline NG100. London: NICE; 2018. Available from: https://www.nice.org.uk/guidance/ng100
- Aletaha D, Neogi T, Silman AJ, et al. 2010 rheumatoid arthritis classification criteria: an American College of Rheumatology/European League Against Rheumatism collaborative initiative. Arthritis Rheum. 2010;62(9):2569–81.
- Bartold PM, Lopez-Oliva I. Periodontitis and rheumatoid arthritis: an update 2012–2017. Periodontol 2000. 2020;83(1):189–212.
- National Institute for Health and Care Excellence. Osteoarthritis in over 16s: diagnosis and management. NICE guideline NG226. London: NICE; 2022. Available from: https://www.nice.org.uk/guidance/ng226
- National Institute for Health and Care Excellence. Spondyloarthritis in over 16s: diagnosis and management. NICE guideline NG65. London: NICE; 2017. Available from: https://www.nice.org.uk/guidance/ng65
- Ruggiero SL, Dodson TB, Aghaloo T, Carlson ER, Ward BB, Kademani D. American Association of Oral and Maxillofacial Surgeons' position paper on medication-related osteonecrosis of the jaws — 2022 update. J Oral Maxillofac Surg. 2022;80(5):920–43.
- National Institute for Health and Care Excellence. Chronic pain (primary and secondary) in over 16s: assessment of all chronic pain and management of chronic primary pain. NICE guideline NG193. London: NICE; 2021. Available from: https://www.nice.org.uk/guidance/ng193
- Wolfe F, Clauw DJ, Fitzcharles MA, et al. 2016 revisions to the 2010/2011 fibromyalgia diagnostic criteria. Semin Arthritis Rheum. 2016;46(3):319–29.

Chapter 13 — Dermatology and Oral Mucosal Relevance (Medical Angle)

13.1 Common skin disease–oral links awareness (psoriasis, eczema) · 13.2 Autoimmune blistering diseases awareness: pemphigus/pemphigoid · 13.3 Erythema multiforme/Stevens–Johnson awareness (red flags) · 13.4 Angioedema awareness: triggers and emergency significance

Core texts: [11] Chs. on ulcerative, vesicular and bullous lesions and on immunologically mediated disease · [12] Chs. on white, red and blistering lesions · [7] Ch. 7 (Immunologic disease) · [8] Chs. on mucocutaneous disease · [1] Ch. on dermatology · [31]

Additional

- Carrozzo M, Porter S, Mercadante V, Fedele S. Oral lichen planus: a disease or a spectrum of tissue reactions? Types, causes, diagnostic algorithms, prognosis, management strategies. Periodontol 2000. 2019;80(1):105–25.
- Murrell DF, Peña S, Joly P, et al. Diagnosis and management of pemphigus: recommendations of an international panel of experts. J Am Acad Dermatol. 2020;82(3):575–85.
- Schmidt E, Rashid H, Marzano AV, et al. European guidelines (S3) on diagnosis and management of mucous membrane pemphigoid. J Eur Acad Dermatol Venereol. 2021;35(10):1926–48.
- Sokumbi O, Wetter DA. Clinical features, diagnosis and treatment of erythema multiforme: a review for the practising dermatologist. Int J Dermatol. 2012;51(8):889–902.
- Creamer D, Walsh SA, Dziewulski P, et al. UK guidelines for the management of Stevens–Johnson syndrome/toxic epidermal necrolysis in adults 2016. Br J Dermatol. 2016;174(6):1194–227.
- Cicardi M, Aberer W, Banerji A, et al. Classification, diagnosis and approach to treatment for angioedema: consensus report from the Hereditary Angioedema International Working Group. Allergy. 2014;69(5):602–16.
- Resuscitation Council UK. Emergency treatment of anaphylactic reactions: guidelines for healthcare providers. London: Resuscitation Council UK; 2021. Available from: https://www.resus.org.uk
- National Institute for Health and Care Excellence. Drug allergy: diagnosis and management. NICE clinical guideline CG183. London: NICE; 2014. Available from: https://www.nice.org.uk/guidance/cg183

- National Institute for Health and Care Excellence. Psoriasis: assessment and management. NICE clinical guideline CG153. London: NICE; 2012 (updated 2017). Available from: https://www.nice.org.uk/guidance/cg153

Chapter 14 — Oncology and Immunosuppression (Dentist-Relevant)

14.1 Cancer therapy basics: chemotherapy, radiotherapy, immunotherapy awareness · 14.2 Neutropenia and thrombocytopenia: infection/bleeding risk in dental care · 14.3 Head and neck radiotherapy: xerostomia, caries risk, osteoradionecrosis awareness · 14.4 Immunosuppressive drugs: steroids, transplant medicines — oral infection risk · 14.5 Antibiotic prophylaxis concepts in immunocompromised patients

Core texts: [7] Ch. 8 (Hematologic and oncologic disease) and Ch. on immunosuppression · [11] Chs. on oral complications of cancer therapy and salivary gland dysfunction · [8] Chs. on malignant disease and immunodeficiency · [1] Ch. on oncology · [29]

Additional

- Elad S, Cheng KKF, Lalla RV, et al. MASCC/ISOO clinical practice guidelines for the management of mucositis secondary to cancer therapy. Cancer. 2020;126(19):4423–31.
- Sroussi HY, Epstein JB, Bensadoun RJ, et al. Common oral complications of head and neck cancer radiation therapy: mucositis, infections, saliva change, fibrosis, sensory dysfunctions, dental caries, periodontal disease and osteoradionecrosis. Cancer Med. 2017;6(12):2918–31.
- Epstein JB, Thariat J, Bensadoun RJ, et al. Oral complications of cancer and cancer therapy: from cancer treatment to survivorship. CA Cancer J Clin. 2012;62(6):400–22.
- Lalla RV, Saunders DP, Peterson DE. Chemotherapy or radiation-induced oral mucositis. Dent Clin North Am. 2014;58(2):341–9.
- Hong CHL, Napeñas JJ, Hodgson BD, et al. A systematic review of dental disease in patients undergoing cancer therapy. Support Care Cancer. 2010;18(8):1007–21.
- The Royal College of Surgeons of England and the British Society for Disability and Oral Health. The oral management of oncology patients requiring radiotherapy, chemotherapy and/or bone marrow transplantation: clinical guidelines. London: RCS England; 2018. Available from: https://www.rcseng.ac.uk
- National Institute for Health and Care Excellence. Suspected cancer: recognition and referral. NICE guideline NG12. London: NICE; 2015. Available from: https://www.nice.org.uk/guidance/ng12

Chapter 15 — Psychiatric Conditions and Dental Considerations

15.1 Anxiety and dental phobia: medical and behavioural relevance · 15.2 Depression: medications and xerostomia/bruxism links · 15.3 Antidepressants/antipsychotics: side effects relevant to dentistry · 15.4 Substance use disorders: tobacco, alcohol, stimulants awareness · 15.5 Consent and capacity principles

Core texts: [7] Ch. 9 (Neurologic, behavioral and psychiatric disorders) · [8] Chs. on psychiatry and on substance misuse · [1] Ch. on medical psychiatry · [11] Chs. on psychiatric disease and orofacial manifestations · [13] Sections on antidepressants and antipsychotics

Additional

- American Psychiatric Association. Diagnostic and Statistical Manual of Mental Disorders. 5th ed, text revision (DSM-5-TR). Washington (DC): American Psychiatric Association Publishing; 2022.
- National Institute for Health and Care Excellence. Depression in adults: treatment and management. NICE guideline NG222. London: NICE; 2022. Available from: https://www.nice.org.uk/guidance/ng222
- National Institute for Health and Care Excellence. Generalised anxiety disorder and panic disorder in adults: management. NICE clinical guideline CG113. London: NICE; 2011. Available from: https://www.nice.org.uk/guidance/cg113
- National Institute for Health and Care Excellence. Psychosis and schizophrenia in adults: prevention and management. NICE clinical guideline CG178. London: NICE; 2014. Available from: https://www.nice.org.uk/guidance/cg178

- Humphris GM, Morrison T, Lindsay SJ. The Modified Dental Anxiety Scale: validation and United Kingdom norms. Community Dent Health. 1995;12(3):143–50.
- Armfield JM, Heaton LJ. Management of fear and anxiety in the dental clinic: a review. Aust Dent J. 2013;58(4):390–407.
- Cockburn N, Pradhan A, Taing MW, Kisely S, Ford PJ. Oral health impacts of medications used to treat mental illness. J Affect Disord. 2017;223:184–93.
- Kisely S, Baghaie H, Lalloo R, Siskind D, Johnson NW. A systematic review and meta-analysis of the association between poor oral health and severe mental illness. Psychosom Med. 2015;77(1):83–92.
- National Institute for Health and Care Excellence. Tobacco: preventing uptake, promoting quitting and treating dependence. NICE guideline NG209. London: NICE; 2021. Available from: https://www.nice.org.uk/guidance/ng209
- National Institute for Health and Care Excellence. Decision-making and mental capacity. NICE guideline NG108. London: NICE; 2018. Available from: https://www.nice.org.uk/guidance/ng108
- Mental Capacity Act 2005. London: The Stationery Office; 2005. Available from: https://www.legislation.gov.uk/ukpga/2005/9

Chapter 16 — Common Medications and Dental Drug Interactions (Core)

16.1 Analgesics: paracetamol, NSAIDs — contraindications and cautions · 16.2 Antibiotics: penicillins, metronidazole, macrolides — common indications and cautions · 16.3 Anticoagulants/antiplatelets: interaction risks and bleeding implications · 16.4 Steroids: adrenal suppression concept and infection risk · 16.5 Bronchodilators/inhaled steroids: oral candidiasis risk and prevention · 16.6 Calcium channel blockers/phenytoin/ciclosporin: gingival enlargement · 16.7 Allergy management basics: recognising allergy vs intolerance

> **Core texts:** [13] · [14] · [15] Chs. on analgesics, antimicrobials, corticosteroids and haemostasis · [16] Chs. on analgesics, antibiotics and adverse drug effects · [17] Chs. on autacoids, chemotherapy and endocrine pharmacology · [18] · [28] · [33] · [34] · [37]

Additional

- Moore PA, Hersh EV. Combining ibuprofen and acetaminophen for acute pain management after third-molar extractions: translating clinical research to dental practice. J Am Dent Assoc. 2013;144(8):898–908.
- Bailey E, Worthington HV, van Wijk A, Yates JM, Coulthard P, Afzal Z. Ibuprofen and/or paracetamol (acetaminophen) for pain relief after surgical removal of lower wisdom teeth. Cochrane Database Syst Rev. 2013;(12):CD004624.
- Hersh EV, Moore PA. Adverse drug interactions in dentistry. Periodontol 2000. 2008;46:109–42.
- Seymour RA, Thomason JM, Ellis JS. The pathogenesis of drug-induced gingival overgrowth. J Clin Periodontol. 1996;23(3 Pt 1):165–75.
- Trackman PC, Kantarci A. Molecular and clinical aspects of drug-induced gingival overgrowth. J Dent Res. 2015;94(4):540–6.
- Ellis JS, Seymour RA, Steele JG, Robertson P, Butler TJ, Thomason JM. Prevalence of gingival overgrowth induced by calcium channel blockers: a community-based study. J Periodontol. 1999;70(1):63–7.
- Rachelefsky GS, Liao Y, Faruqi R. Impact of inhaled corticosteroid-induced oropharyngeal adverse events: results from a meta-analysis. Ann Allergy Asthma Immunol. 2007;98(3):225–38.
- Wolff A, Joshi RK, Ekström J, et al. A guide to medications inducing salivary gland dysfunction, xerostomia and subjective sialorrhoea: a systematic review sponsored by the World Workshop on Oral Medicine VI. Drugs R D. 2017;17(1):1–28.
- Villa A, Connell CL, Abati S. Diagnosis and management of xerostomia and hyposalivation. Ther Clin Risk Manag. 2015;11:45–51.
- British Society for Allergy and Clinical Immunology. Guidelines. London: BSACI. Available from: https://www.bsaci.org

Chapter 17 — Medical Clearance, Treatment Modification and Referral

17.1 When to request medical consultation (unstable disease, unclear medicines, bleeding risk) · 17.2 Appointment planning: stress reduction protocol (short morning visits, pain control) · 17.3 Surgical vs non-surgical dental care considerations (bleeding/infection risk concept) · 17.4 Antibiotic stewardship principles (avoiding unnecessary prescribing) · 17.5 Post-operative instructions tailored to medically compromised patients · 17.6 Emergency preparedness linkage (to the medical emergencies module)

> **Core texts:** [7] Ch. 1 (Patient evaluation and risk assessment) and the dental management summary tables · [8] Chs. on risk assessment and perioperative care · [10] Chs. on liaison with medical colleagues · [28] · [30] · [31] · [32] · [33] · [34] · [35] · [26] · [27]

Additional

- Sollecito TP, Abt E, Lockhart PB, et al. The use of prophylactic antibiotics prior to dental procedures in patients with prosthetic joints: evidence-based clinical practice guideline for dental practitioners. J Am Dent Assoc. 2015;146(1):11–16.e8.
- Lockhart PB, Loven B, Brennan MT, Fox PC. The evidence base for the efficacy of antibiotic prophylaxis in dental practice. J Am Dent Assoc. 2007;138(4):458–74.
- World Health Organization. Global action plan on antimicrobial resistance. Geneva: WHO; 2015. Available from: https://www.who.int
- National Institute for Health and Care Excellence. Shared decision making. NICE guideline NG197. London: NICE; 2021. Available from: https://www.nice.org.uk/guidance/ng197
- Faculty of Dental Surgery, The Royal College of Surgeons of England. Clinical guidelines. London: RCS England. Available from: https://www.rcseng.ac.uk
- National Institute for Health and Care Excellence. Medicines optimisation: the safe and effective use of medicines to enable the best possible outcomes. NICE guideline NG5. London: NICE; 2015. Available from: https://www.nice.org.uk/guidance/ng5

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