Oral Pathology (Introductory)

Year 2 — Bachelor of Dental Surgery

Reference and Resource List — Chapters 1 to 11

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 oral pathology textbooks

1. Neville BW, Damm DD, Allen CM, Chi AC. Oral and Maxillofacial Pathology. 5th ed. St Louis: Elsevier; 2023.
2. Odell EW. Cawson's Essentials of Oral Pathology and Oral Medicine. 10th ed. Edinburgh: Elsevier; 2024.
3. Sivapathasundharam B, editor. Shafer's Textbook of Oral Pathology. 9th ed. New Delhi: Elsevier India; 2020.
4. Regezi JA, Sciubba JJ, Jordan RCK. Oral Pathology: Clinical Pathologic Correlations. 7th ed. St Louis: Elsevier; 2016.
5. Soames JV, Southam JC. Oral Pathology. 4th ed. Oxford: Oxford University Press; 2005.
6. Sapp JP, Eversole LR, Wysocki GP. Contemporary Oral and Maxillofacial Pathology. 2nd ed. St Louis: Mosby; 2004.
7. Odell EW, editor. Clinical Problem Solving in Dentistry. 4th ed. Edinburgh: Elsevier; 2020.

1.2 Supporting basic science and oral biology

8. Nanci A. Ten Cate's Oral Histology: Development, Structure, and Function. 10th ed. St Louis: Elsevier; 2024.
9. Berkovitz BKB, Holland GR, Moxham BJ. Oral Anatomy, Histology and Embryology. 5th ed. Edinburgh: Elsevier; 2017.
10. Kumar V, Abbas AK, Aster JC, editors. Robbins Basic Pathology. 11th ed. Philadelphia: Elsevier; 2023.
11. Kumar V, Abbas AK, Aster JC, Turner JR, editors. Robbins and Cotran Pathologic Basis of Disease. 11th ed. Philadelphia: Elsevier; 2025.
12. Mohan H. Textbook of Pathology. 9th ed. New Delhi: Jaypee Brothers Medical Publishers; 2023.

1.3 Oral medicine and clinical correlation

13. Challacombe SJ, Carey B, Setterfield J. Scully's Oral and Maxillofacial Medicine: The Basis of Diagnosis and Treatment. 4th ed. Edinburgh: Elsevier; 2023.
14. Glick M, Greenberg MS, Lockhart PB, Challacombe SJ, editors. Burket's Oral Medicine. 13th ed. Hoboken (NJ): Wiley Blackwell; 2021.
15. Whaites E, Drage N. Essentials of Dental Radiography and Radiology. 6th ed. Edinburgh: Elsevier; 2021.

1.4 Classification and diagnostic reporting standards

16. WHO Classification of Tumours Editorial Board. Head and Neck Tumours. 5th ed., vol. 9. Lyon: International Agency for Research on Cancer; 2024. Available from: https://tumourclassification.iarc.who.int
17. The Royal College of Pathologists. Cancer datasets and tissue pathways. London: RCPath. Available from: https://www.rcpath.org/profession/guidelines/cancer-datasets-and-tissue-pathways.html

1.5 Guidelines, regulatory and public health sources

18. National Institute for Health and Care Excellence. Suspected cancer: recognition and referral. NICE guideline NG12. London: NICE. Available from: https://www.nice.org.uk/guidance/ng12
19. 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
20. Scottish Dental Clinical Effectiveness Programme. Clinical guidance in dentistry. Dundee: SDCEP. Available from: https://www.sdcep.org.uk
21. World Health Organization. Global oral health status report: towards universal health coverage for oral health by 2030. Geneva: WHO; 2022. Available from: https://www.who.int/publications/i/item/9789240061484
22. General Dental Council. Preparing for practice: dental team learning outcomes for registration. London: GDC; 2015. Available from: https://www.gdc-uk.org

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

1.6 Key journals for currency

Journal of Oral Pathology & Medicine · Oral Diseases · Oral Oncology · Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology · Head and Neck Pathology · Caries Research · International Endodontic Journal · Journal of Dental Research · British Dental Journal · International Dental Journal

PART 2 — CHAPTER-SPECIFIC REFERENCES

Chapter 1 — Introduction to Oral Pathology

1.1 Definition, scope and relation to dentistry · 1.2 Basic terminology · 1.3 Diagnostic approach · 1.4 Basic investigations

Core texts: [1] Ch. 1 and Appendix (Differential Diagnosis of Oral and Maxillofacial Diseases) · [2] Introductory chapters and learning guide · [3] Ch. 1 (Introduction) · [4] Clinical Overview atlas section · [7] Ch. 1 · [13] Chs. on history taking, examination and investigations

Additional

- Royal College of Pathologists. Tissue pathways for head and neck pathology. London: RCPath. Available from: https://www.rcpath.org
- General Dental Council. Preparing for practice: dental team learning outcomes for registration. London: GDC; 2015.
- Napier SS, Speight PM. Natural history of potentially malignant oral lesions and conditions: an overview of the literature. J Oral Pathol Med. 2008;37(1):1–10.
- Sloan P, Gale N, Hunter K, et al. Terminology and diagnostic criteria in oral pathology reporting. In: WHO Classification of Tumours Editorial Board. Head and Neck Tumours. 5th ed. Lyon: IARC; 2024.

Chapter 2 — Developmental Disturbances of Teeth

2.1 Disturbances in tooth number · 2.2 Disturbances in size and shape · 2.3 Disturbances in structure · 2.4 Disturbances in eruption and exfoliation

Core texts: [1] Ch. 2 (Abnormalities of Teeth) · [2] Hard tissue pathology section · [3] Ch. 2 (Developmental Disturbances of Oral and Paraoral Structures) · [4] Ch. on abnormalities of teeth · [8] Chs. on amelogenesis, dentinogenesis and tooth eruption · [9]

Additional

- Crawford PJM, Aldred M, Bloch-Zupan A. Amelogenesis imperfecta. Orphanet J Rare Dis. 2007;2:17.
- Barron MJ, McDonnell ST, Mackie I, Dixon MJ. Hereditary dentine disorders: dentinogenesis imperfecta and dentine dysplasia. Orphanet J Rare Dis. 2008;3:31.
- Weerheijm KL, Duggal M, Mejàre I, et al. Judgement criteria for molar incisor hypomineralisation (MIH) in epidemiologic studies. Eur J Paediatr Dent. 2003;4(3):110–13.
- Ghanim A, Silva MJ, Elfrink MEC, et al. Molar incisor hypomineralisation (MIH) training manual for clinical field surveys and practice. Eur Arch Paediatr Dent. 2017;18(4):225–42.
- Suri L, Gagari E, Vastardis H. Delayed tooth eruption: pathogenesis, diagnosis and treatment. Am J Orthod Dentofacial Orthop. 2004;126(4):432–45.
- DenBesten P, Li W. Chronic fluoride toxicity: dental fluorosis. Monogr Oral Sci. 2011;22:81–96.

Chapter 3 — Dental Caries: Pathogenesis and Basic Histopathology

3.1 Definition and epidemiology · 3.2 Aetiology and pathogenesis · 3.3 Types of caries · 3.4 Histopathology · 3.5 Sequelae and clinical correlation

Core texts: [1] Chs. 2–3 · [2] Hard tissue pathology section (dental caries) · [3] Ch. 11 (Dental Caries) · [4] Ch. on abnormalities of teeth · [8] Chs. on enamel and dentine

Additional

- Fejerskov O, Nyvad B, editors. Dental Caries: The Disease and Its Clinical Management. 4th ed. Oxford: Wiley Blackwell; 2025.
- Kidd EAM, Fejerskov O. Essentials of Dental Caries. 4th ed. Oxford: Oxford University Press; 2016.
- 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.
- Pitts NB, Zero DT, Marsh PD, et al. Dental caries. Nat Rev Dis Primers. 2017;3:17030.

- Selwitz RH, Ismail AI, Pitts NB. Dental caries. Lancet. 2007;369(9555):51–9.
- 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.
- 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.
- Marsh PD. Dental plaque as a microbial biofilm. Caries Res. 2004;38(3):204–11.
- Stephan RM. Changes in hydrogen-ion concentration on tooth surfaces and in carious lesions. J Am Dent Assoc. 1940;27:718–23.
- World Health Organization. Guideline: sugars intake for adults and children. Geneva: WHO; 2015. Available from: https://www.who.int/publications/i/item/9789241549028

Chapter 4 — Pulp and Periapical Diseases

4.1 Pulp biology · 4.2 Pulpitis · 4.3 Pulp necrosis · 4.4 Periapical pathosis · 4.5 Spread of odontogenic infection

Core texts: [1] Ch. 3 (Pulpal and Periapical Disease) · [2] Hard tissue pathology section · [3] Ch. 12 (Diseases of the Pulp and Periapical Tissues) · [4] Ch. on periapical and pulpal disease · [8] Ch. on dentine–pulp complex

Additional

- Hargreaves KM, Berman LH, editors. Cohen's Pathways of the Pulp. 12th ed. St Louis: Elsevier; 2020.
- Ricucci D, Siqueira JF Jr. Endodontology: An Integrated Biological and Clinical View. London: Quintessence Publishing; 2013.
- 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.
- Abbott PV. Classification, diagnosis and clinical manifestations of apical periodontitis. Endod Topics. 2004;8(1):36–54.
- Nair PNR. Pathogenesis of apical periodontitis and the causes of endodontic failures. Crit Rev Oral Biol Med. 2004;15(6):348–81.
- Smith AJ, Cassidy N, Perry H, et al. Reactionary dentinogenesis. Int J Dev Biol. 1995;39(1):273–80.
- Ogle OE. Odontogenic infections. Dent Clin North Am. 2017;61(2):235–52.
- 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 5 — Cysts of the Oral and Maxillofacial Region

5.1–5.4 Odontogenic and non-odontogenic cysts: classification, clinical and radiographic features, pathogenesis and principles of management

Core texts: [1] Ch. 15 (Odontogenic Cysts and Tumours) · [2] Hard tissue pathology section · [3] Ch. 3 (Cysts of the Orofacial Region) · [4] Ch. on cysts of the jaws · [15] Radiographic interpretation of radiolucent lesions · [16]

Additional

- Speight PM. Shear's Cysts of the Oral and Maxillofacial Regions. 5th ed. Oxford: Wiley Blackwell; 2022.
- Soluk-Tekkeşin M, Wright JM. The World Health Organization classification of odontogenic lesions: a summary of the changes of the 2022 (5th) edition. Turk Patoloji Derg. 2022;38(2):168–84.
- Vered M, Wright JM. Update from the 5th edition of the World Health Organization classification of head and neck tumors: odontogenic and maxillofacial bone tumours. Head Neck Pathol. 2022;16(1):63–75.
- Kramer IRH, Pindborg JJ, Shear M. Histological Typing of Odontogenic Tumours. 2nd ed. Berlin: Springer-Verlag; 1992.
- Nayak MT, Singh A, Singhvi A, Sharma R. Odontogenic keratocyst: what is in the name? J Nat Sci Biol Med. 2013;4(2):282–5.

Chapter 6 — Basic Oral Ulcers and Vesiculobullous Lesions

6.1 Ulceration: mechanisms · 6.2 Viral vesiculobullous lesions · 6.3 Candidiasis

Core texts: [1] Chs. 6–9 (Fungal, Viral, Physical and Chemical Injuries, Allergies and Immunologic Diseases) and Ch. 16 · [2] Soft tissue disease section · [3] Chs. 9–10 (Viral and Mycotic Infections) · [4] Chs. on ulcerative and vesiculobullous conditions · [13] · [14]

Additional

- Scully C, Porter S. Oral mucosal disease: recurrent aphthous stomatitis. Br J Oral Maxillofac Surg. 2008;46(3):198–206.
- Arduino PG, Porter SR. Herpes simplex virus type 1 infection: overview on relevant clinico-pathological features. J Oral Pathol Med. 2008;37(2):107–21.
- Millsop JW, Fazel N. Oral candidiasis. Clin Dermatol. 2016;34(4):487–94.
- Pappas PG, Kauffman CA, Andes DR, et al. Clinical practice guideline for the management of candidiasis: 2016 update by the Infectious Diseases Society of America. Clin Infect Dis. 2016;62(4):e1–50.
- Stoopler ET, Sollecito TP. Oral mucosal diseases: evaluation and management. Med Clin North Am. 2014;98(6):1323–52.
- Scottish Dental Clinical Effectiveness Programme. Drug prescribing for dentistry: dental clinical guidance. 3rd ed. Dundee: SDCEP; 2016. Available from: https://www.sdcep.org.uk

Chapter 7 — Potentially Malignant Disorders

7.1 Definitions · 7.2 Leukoplakia · 7.3 Erythroplakia · 7.4 Oral submucous fibrosis

Core texts: [1] Ch. 10 (Epithelial Pathology) · [2] Soft tissue disease section · [3] Ch. 5 (Epithelial Tumours of the Oral Cavity) · [4] Ch. on white and red lesions · [13] · [16] Oral cavity and mobile tongue chapter

Additional

- Warnakulasuriya S, Kujan O, Aguirre-Urizar JM, et al. Oral potentially malignant disorders: a consensus report from an international seminar on nomenclature and classification, convened by the WHO Collaborating Centre for Oral Cancer. Oral Dis. 2021;27(8):1862–80.
- Odell E, Kujan O, Warnakulasuriya S, Sloan P. Oral epithelial dysplasia: recognition, grading and clinical significance. Oral Dis. 2021;27(8):1947–76.
- Speight PM, Khurram SA, Kujan O. Oral potentially malignant disorders: risk of progression to malignancy. Oral Surg Oral Med Oral Pathol Oral Radiol. 2018;125(6):612–27.
- Warnakulasuriya S, Johnson NW, van der Waal I. Nomenclature and classification of potentially malignant disorders of the oral mucosa. J Oral Pathol Med. 2007;36(10):575–80.
- Arakeri G, Brennan PA. Oral submucous fibrosis: an overview of the aetiology, pathogenesis, classification and principles of management. Br J Oral Maxillofac Surg. 2013;51(7):587–93.
- International Agency for Research on Cancer. Betel-quid and areca-nut chewing and some areca-nut-derived nitrosamines. IARC Monographs, vol. 85. Lyon: IARC; 2004. Available from: https://publications.iarc.who.int
- National Institute for Health and Care Excellence. Suspected cancer: recognition and referral. NICE guideline NG12. Available from: https://www.nice.org.uk/guidance/ng12

Chapter 8 — Introduction to Oral Cancer

8.1 Oral squamous cell carcinoma overview · 8.2 Concepts of spread · 8.3 Prevention and early detection: the dental role

Core texts: [1] Ch. 10 (Epithelial Pathology) · [2] Soft tissue disease section · [3] Ch. 5 · [4] Ch. on oral cancer · [13] Section on potentially malignant disorders and cancer · [16] · [17]

Additional

- Amin MB, Edge SB, Greene FL, et al., editors. AJCC Cancer Staging Manual. 8th ed. New York: Springer; 2017.
- Brierley JD, Gospodarowicz MK, Wittekind C, editors. TNM Classification of Malignant Tumours. 8th ed. Oxford: Wiley Blackwell; 2017.
- Chow LQM. Head and neck cancer. N Engl J Med. 2020;382(1):60–72.
- Warnakulasuriya S. Global epidemiology of oral and oropharyngeal cancer. Oral Oncol. 2009;45(4–5):309–16.

- Shield KD, Ferlay J, Jemal A, et al. The global incidence of lip, oral cavity, and pharyngeal cancers by subsite in 2012. CA Cancer J Clin. 2017;67(1):51–64.
- Robbins KT, Clayman G, Levine PA, et al. Neck dissection classification update: revisions proposed by the American Head and Neck Society and the American Academy of Otolaryngology–Head and Neck Surgery. Arch Otolaryngol Head Neck Surg. 2002;128(7):751–8.
- The Royal College of Pathologists. Dataset for histopathological reporting of carcinomas of the oral cavity. London: RCPath. Available from: https://www.rcpath.org
- Brocklehurst P, Kujan O, O'Malley LA, et al. Screening programmes for the early detection and prevention of oral cancer. Cochrane Database Syst Rev. 2013;(11):CD004150.

Chapter 9 — Basic Oral Pigmented Lesions

9.1 Exogenous pigmentation · 9.2 Endogenous pigmentation

Core texts: [1] Chs. 8, 10 and 12 · [2] Soft tissue disease section · [3] Chs. on pigmented lesions and non-epithelial tumours · [4] Ch. on pigmented lesions · [13] · [16]

Additional

- Kauzman A, Pavone M, Blanas N, Bradley G. Pigmented lesions of the oral cavity: review, differential diagnosis, and case presentations. J Can Dent Assoc. 2004;70(10):682–3.
- Müller S. Melanin-associated pigmented lesions of the oral mucosa: presentation, differential diagnosis, and treatment. Dermatol Ther. 2010;23(3):220–9.
- Alawi F. Pigmented lesions of the oral cavity: an update. Dent Clin North Am. 2013;57(4):699–710.
- Gondak RO, da Silva-Jorge R, Jorge J, Lopes MA, Vargas PA. Oral pigmented lesions: clinicopathologic features and review of the literature. Med Oral Patol Oral Cir Bucal. 2012;17(6):e919–24.
- Hicks MJ, Flaitz CM. Oral mucosal melanoma: epidemiology and pathobiology. Oral Oncol. 2000;36(2):152–69.

Chapter 10 — Introduction to Odontogenic Tumours

10.1 Why learn early: cyst versus tumour, benign but locally aggressive lesions · 10.2 Common entities at awareness level: ameloblastoma, odontoma, myxoma

Core texts: [1] Ch. 15 (Odontogenic Cysts and Tumours) · [2] Hard tissue pathology section · [3] Ch. 4 (Odontogenic Tumours) · [4] Ch. on odontogenic tumours · [15] Radiographic patterns of jaw lesions · [16]

Additional

- Vered M, Wright JM. Update from the 5th edition of the World Health Organization classification of head and neck tumors: odontogenic and maxillofacial bone tumours. Head Neck Pathol. 2022;16(1):63–75.
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- Speight PM, Takata T. New tumour entities in the 4th edition of the World Health Organization classification of head and neck tumours: odontogenic and maxillofacial bone tumours. Virchows Arch. 2018;472(3):331–9.
- Barnes L, editor. Surgical Pathology of the Head and Neck. 3rd ed. New York: Informa Healthcare; 2009.
- Effiom OA, Ogundana OM, Akinshipo AO, Akintoye SO. Ameloblastoma: current etiopathological concepts and management. Oral Dis. 2018;24(3):307–16.

Chapter 11 — Basic Oral Biopsy and Specimen Handling

11.1 Types of biopsy · 11.2 Indications for biopsy · 11.3 Specimen handling essentials

Core texts: [1] Ch. 1 and Appendix · [2] Chapters on biopsy and diagnostic technique · [3] Ch. 1 · [7] Case-based diagnostic chapters · [13] Chapters on investigations · [17]

Additional

- Oliver RJ, Sloan P, Pemberton MN. Oral biopsies: methods and applications. Br Dent J. 2004;196(6):329–33.

- Logan RM, Goss AN. Biopsy of the oral mucosa and use of histopathology services. Aust Dent J. 2010;55(Suppl 1):9–13.
- Poh CF, Ng S, Berean KW, Williams PM, Rosin MP, Zhang L. Biopsy and histopathologic diagnosis of oral premalignant and malignant lesions. J Can Dent Assoc. 2008;74(3):283–8.
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- The Royal College of Pathologists. The retention and storage of pathological records and specimens. 5th ed. London: RCPath. Available from: https://www.rcpath.org
- Health and Safety Executive. EH40/2005 Workplace exposure limits. 4th ed. Norwich: HSE Books. Available from: https://www.hse.gov.uk
- Melrose RJ, Handlers JP, Kerpel S, Summerlin DJ, Tomich CJ. The use of biopsy in dental practice: the position of the American Academy of Oral and Maxillofacial Pathology. Gen Dent. 2007;55(5):457–61.

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