Periodontology III

Year 5 — Bachelor of Dental Surgery

Reference and Resource List — Chapters 1 to 16

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 sources 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 textbooks

1. Newman MG, Klokkevold PR, Elangovan S, Kapila Y, editors. Newman and Carranza's Clinical Periodontology and Implantology. 14th ed. St Louis: Elsevier; 2023.
2. Berglundh T, Giannobile WV, Lang NP, Sanz M, editors. Lindhe's Clinical Periodontology and Implant Dentistry. 7th ed. Hoboken (NJ): Wiley-Blackwell; 2022.
3. Dibart S, Dietrich T. Practical Periodontal Diagnosis and Treatment Planning. 2nd ed. Hoboken (NJ): Wiley-Blackwell; 2024.
4. Nield-Gehrig JS. Fundamentals of Periodontal Instrumentation and Advanced Root Instrumentation. 8th ed. Philadelphia: Wolters Kluwer; 2017.

1.2 Classification, consensus reports and clinical practice guidelines

5. Caton JG, Armitage G, Berglundh T, Chapple ILC, Jepsen S, Kornman KS, et al. A new classification scheme for periodontal and peri-implant diseases and conditions — introduction and key changes from the 1999 classification. J Periodontol. 2018;89 Suppl 1:S1–8.
6. Tonetti MS, Greenwell H, Kornman KS. Staging and grading of periodontitis: framework and proposal of a new classification and case definition. J Periodontol. 2018;89 Suppl 1:S159–72.
7. Papapanou PN, Sanz M, Buduneli N, Dietrich T, Feres M, Fine DH, et al. Periodontitis: consensus report of workgroup 2 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. J Periodontol. 2018;89 Suppl 1:S173–82.
8. Berglundh T, Armitage G, Araujo MG, Avila-Ortiz G, Blanco J, Camargo PM, et al. Peri-implant diseases and conditions: consensus report of workgroup 4 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. J Periodontol. 2018;89 Suppl 1:S313–8.
9. Herrera D, Retamal-Valdes B, Alonso B, Feres M. Acute periodontal lesions (periodontal abscesses and necrotizing periodontal diseases) and endo-periodontal lesions. J Clin Periodontol. 2018;45 Suppl 20:S78–94.
10. Sanz M, Herrera D, Kebschull M, Chapple I, Jepsen S, Berglundh T, et al. Treatment of stage I–III periodontitis — the EFP S3 level clinical practice guideline. J Clin Periodontol. 2020;47 Suppl 22:4–60.
11. Herrera D, Sanz M, Kebschull M, Jepsen S, Sculean A, Berglundh T, et al. Treatment of stage IV periodontitis: the EFP S3 level clinical practice guideline. J Clin Periodontol. 2022;49 Suppl 24:4–71.

1.3 Professional standards and curricular sources

12. General Dental Council. Standards for the Dental Team. London: GDC; 2013 (updated 2024). Available from: https://www.gdc-uk.org
13. General Dental Council. Preparing for Practice: Dental Team Learning Outcomes for Registration. London: GDC; 2015. Available from: https://www.gdc-uk.org
14. Dental Council of India. Bachelor of Dental Surgery (BDS) Course Regulations, 2007 (as amended). New Delhi: DCI.

1.4 Key journals for currency

Journal of Clinical Periodontology · Journal of Periodontology · Periodontology 2000 · Clinical Oral Implants Research · International Journal of Periodontics and Restorative Dentistry · Journal of Periodontal Research · British Dental Journal · Journal of Dental Research

PART 2 — CHAPTER-SPECIFIC REFERENCES

Chapter 1 — Advanced Periodontal Diagnosis and Treatment Planning

1.1 Comprehensive periodontal assessment · 1.2 Clinical periodontal examination · 1.3 Radiographic periodontal assessment · 1.4 Periodontal diagnosis and classification · 1.5 Staging and grading of periodontitis · 1.6 Periodontal prognosis and treatment planning

Core references: [1] Chs. on clinical diagnosis, radiographic aids, prognosis and treatment planning · [2] Chs. on examination and diagnosis · [3] · [5] · [6] · [7] · [10]

Chapter 2 — Advanced Periodontal Pathogenesis and Risk Factors

2.1 Periodontal biofilm and microbiology · 2.2 Host immune-inflammatory response · 2.3 Genetic and environmental risk factors · 2.4 Systemic diseases and periodontal health

Core references: [1] Chs. on periodontal microbiology, host response and risk factors · [2] Chs. on biofilm, pathogenesis and risk · [6]

Additional

- Page RC, Kornman KS. The pathogenesis of human periodontitis: an introduction. Periodontol 2000. 1997;14:9–11.
- Kornman KS. Mapping the pathogenesis of periodontitis: a new look. J Periodontol. 2008;79(8 Suppl):1560–8.
- Hajishengallis G. Periodontitis: from microbial immune subversion to systemic inflammation. Nat Rev Immunol. 2015;15(1):30–44.
- Chapple ILC, Bouchard P, Cagetti MG, Campus G, Carra MC, Cocco F, et al. Interaction of lifestyle, behaviour or systemic diseases with dental caries and periodontal diseases: consensus report of group 2 of the joint EFP/ORCA workshop on the boundaries between caries and periodontal diseases. J Clin Periodontol. 2017;44 Suppl 18:S39–51.

Chapter 3 — Non-Surgical Periodontal Therapy

3.1 Principles of non-surgical therapy · 3.2 Oral hygiene instruction · 3.3 Scaling and root surface debridement · 3.4 Re-evaluation after therapy · 3.5 Adjunctive therapies

Core references: [1] Chs. on plaque control and non-surgical therapy · [2] Chs. on mechanical and chemical plaque control and non-surgical therapy · [10] Steps 1 and 2 of therapy

Additional

- Tonetti MS, Chapple ILC, Jepsen S, Sanz M. Primary and secondary prevention of periodontal and peri-implant diseases: introduction to, and objectives of the 11th European Workshop on Periodontology consensus conference. J Clin Periodontol. 2015;42 Suppl 16:S1–4.
- Van der Weijden FA, Slot DE. Efficacy of homecare regimens for mechanical plaque removal in managing gingivitis: a meta review. J Clin Periodontol. 2015;42 Suppl 16:S77–91.
- Suvan J, Leira Y, Moreno Sancho FM, Graziani F, Derks J, Tomasi C. Subgingival instrumentation for treatment of periodontitis. A systematic review. J Clin Periodontol. 2020;47 Suppl 22:155–75.

Chapter 4 — Periodontal Instrumentation and Ultrasonics

4.1 Hand instruments · 4.2 Ultrasonic instrumentation · 4.3 Instrumentation strategies · 4.4 Instrumentation complications

Core references: [4] · [1] Chs. on periodontal instruments and instrumentation · [2]

Additional

- Drisko CL. Periodontal debridement: still the treatment of choice. J Evid Based Dent Pract. 2014;14 Suppl:33–41.e1.
- Tunkel J, Heinecke A, Flemmig TF. A systematic review of efficacy of machine-driven and manual subgingival debridement in the treatment of chronic periodontitis. J Clin Periodontol. 2002;29 Suppl 3:72–81.
- Walmsley AD, Lea SC, Landini G, Moses AJ. Advances in power driven pocket/root instrumentation. J Clin Periodontol. 2008;35 Suppl 8:22–8.
- Jepsen S, Deschner J, Braun A, Schwarz F, Eberhard J. Calculus removal and the prevention of its formation. Periodontol 2000. 2011;55(1):167–88.

Chapter 5 — Periodontal Surgical Principles

5.1 Principles of periodontal surgery · 5.2 Flap design and incisions · 5.3 Suturing and periodontal dressings · 5.4 Postoperative care

Core references: [1] Chs. on general principles of periodontal surgery and the periodontal flap · [2] Chs. on periodontal surgery: access therapy · [10]

Additional

- Wolf HF, Rateitschak EM, Rateitschak KH, Hassell TM. Color Atlas of Dental Medicine: Periodontology. 3rd ed. Stuttgart: Thieme; 2005.
- Cortellini P, Tonetti MS. Clinical concepts for regenerative therapy in intrabony defects. Periodontol 2000. 2015;68(1):282–307.
- Bouchard P, Malet J, Borghetti A. Decision-making in aesthetics: root coverage revisited. Periodontol 2000. 2001;27:97–120.

Chapter 6 — Pocket Reduction and Resective Periodontal Surgery

6.1 Gingivectomy and gingivoplasty · 6.2 Periodontal flap surgery · 6.3 Osseous resective surgery · 6.4 Furcation management

Core references: [1] Chs. on gingival surgical techniques, flap techniques, resective osseous surgery and furcation involvement · [2] Chs. on access therapy and furcation therapy · [10]

Additional

- Ramfjord SP, Nissle RR. The modified Widman flap. J Periodontol. 1974;45(8):601–7.
- Ochsenbein C. A primer for osseous surgery. Int J Periodontics Restorative Dent. 1986;6(1):8–47.
- Kaldahl WB, Kalkwarf KL, Patil KD, Molvar MP, Dyer JK. Long-term evaluation of periodontal therapy: I. Response to 4 therapeutic modalities. J Periodontol. 1996;67(2):93–102.
- Sanz-Sánchez I, Montero E, Citterio F, Romano F, Molina A, Aimetti M. Efficacy of access flap procedures compared to subgingival debridement in the treatment of periodontitis. A systematic review and meta-analysis. J Clin Periodontol. 2020;47 Suppl 22:282–302.

Chapter 7 — Regenerative Periodontal Therapy

7.1 Principles of regeneration · 7.2 Bone graft materials · 7.3 Barrier membranes · 7.4 Biologics and regenerative materials · 7.5 Regenerative procedures

Core references: [1] Chs. on periodontal regeneration and reconstructive surgery · [2] Chs. on regenerative periodontal therapy · [10]

Additional

- Nyman S, Lindhe J, Karring T, Rylander H. New attachment following surgical treatment of human periodontal disease. J Clin Periodontol. 1982;9(4):290–6.
- Cortellini P, Tonetti MS. Clinical concepts for regenerative therapy in intrabony defects. Periodontol 2000. 2015;68(1):282–307.
- Sculean A, Nikolidakis D, Nikou G, Ivanovic A, Chapple ILC, Stavropoulos A. Biomaterials for promoting periodontal regeneration in human intrabony defects: a systematic review. Periodontol 2000. 2015;68(1):182–216.
- Nibali L, Sultan D, Arena C, Pelekos G, Lin GH, Tonetti M. Periodontal infrabony defects: systematic review of healing by defect morphology following regenerative surgery. J Clin Periodontol. 2021;48(1):100–13.

Chapter 8 — Mucogingival and Periodontal Plastic Surgery

8.1 Mucogingival defects · 8.2 Gingival recession management · 8.3 Soft tissue grafting principles · 8.4 Aesthetic periodontal surgery

Core references: [1] Chs. on periodontal plastic and esthetic surgery · [2] Chs. on mucogingival therapy and periodontal plastic surgery · [5]

Additional

- Miller PD Jr. A classification of marginal tissue recession. Int J Periodontics Restorative Dent. 1985;5(2):8–13.

- Cairo F, Nieri M, Cincinelli S, Mervelt J, Pagliaro U. The interproximal clinical attachment level to classify gingival recessions and predict root coverage outcomes: an explorative and reliability study. J Clin Periodontol. 2011;38(7):661–6.
- Tonetti MS, Jepsen S; Working Group 2 of the European Workshop on Periodontology. Clinical efficacy of periodontal plastic surgery procedures: consensus report of group 2 of the 10th European Workshop on Periodontology. J Clin Periodontol. 2014;41 Suppl 15:S36–43.
- Chambrone L, Tatakis DN. Periodontal soft tissue root coverage procedures: a systematic review from the AAP Regeneration Workshop. J Periodontol. 2015;86(2 Suppl):S8–51.

Chapter 9 — Periodontal Abscesses and Acute Periodontal Conditions

9.1 Periodontal abscess · 9.2 Necrotising periodontal diseases · 9.3 Acute periodontal lesions

Core references: [1] Chs. on acute gingival infections, the periodontal abscess and necrotizing periodontal diseases · [5] · [9]

Additional

- Fine DH, Patil AG, Loos BG. Classification and diagnosis of aggressive periodontitis. J Clin Periodontol. 2018;45 Suppl 20:S95–111.
- Slots J. Periodontitis: facts, fallacies and the future. Periodontol 2000. 2017;75(1):7–23.
- Faculty of General Dental Practice (UK). Antimicrobial Prescribing in Dentistry: Good Practice Guidelines. 3rd ed. London: FGDP(UK) and Faculty of Dental Surgery; 2020.
- Scottish Dental Clinical Effectiveness Programme. Drug Prescribing for Dentistry: Dental Clinical Guidance. 3rd ed. Dundee: SDCEP; 2016 (updated online). Available from: https://www.sdcep.org.uk

Chapter 10 — Endodontic–Periodontal Lesions

10.1 Pulp–periodontal relationship · 10.2 2017 classification of endo–perio lesions · 10.3 Diagnosis of endo–perio lesions · 10.4 Management principles

Core references: [1] Ch. on the endodontic–periodontal relationship · [2] · [7] · [9]

Additional

- Rotstein I, Simon JHS. Diagnosis, prognosis and decision-making in the treatment of combined periodontal-endodontic lesions. Periodontol 2000. 2004;34:165–203.
- 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.
- Patel S, Barnes JJ. The Principles of Endodontics. 3rd ed. Oxford: Oxford University Press; 2019.
- Rotstein I, Ingle JI, editors. Ingle’s Endodontics. 7th ed. Raleigh (NC): PMPH USA; 2019.

Chapter 11 — Implant Periodontology and Peri-Implant Diseases

11.1 Biology of peri-implant tissues · 11.2 Peri-implant diseases · 11.3 Diagnosis of peri-implant disease · 11.4 Management of peri-implant disease

Core references: [2] Chs. on peri-implant tissues, peri-implant diseases and their treatment · [1] Chs. on implant periodontology and peri-implant complications · [8]

Additional

- Renvert S, Persson GR, Pirih FQ, Camargo PM. Peri-implant health, peri-implant mucositis, and peri-implantitis: case definitions and diagnostic considerations. J Periodontol. 2018;89 Suppl 1:S304–12.
- Heitz-Mayfield LJA, Salvi GE. Peri-implant mucositis. J Clin Periodontol. 2018;45 Suppl 20:S237–45.
- Schwarz F, Derks J, Monje A, Wang HL. Peri-implantitis. J Clin Periodontol. 2018;45 Suppl 20:S246–66.

Chapter 12 — Periodontal Maintenance Therapy

12.1 Supportive periodontal therapy · 12.2 Clinical review during maintenance · 12.3 Management of recurrence

Core references: [1] Ch. on supportive periodontal treatment · [2] Ch. on supportive periodontal therapy · [10] Step 4 of therapy · [11]

Additional

- Axelsson P, Nyström B, Lindhe J. The long-term effect of a plaque control program on tooth mortality, caries and periodontal disease in adults. Results after 30 years of maintenance. J Clin Periodontol. 2004;31(9):749–57.
- Lang NP, Tonetti MS. Periodontal risk assessment (PRA) for patients in supportive periodontal therapy (SPT). Oral Health Prev Dent. 2003;1(1):7–16.
- Ramseier CA, Nydegger M, Walter C, Fischer G, Sculean A, Lang NP, et al. Time between recall visits and residual probing depths predict long-term stability in patients enrolled in supportive periodontal therapy. J Clin Periodontol. 2019;46(2):218–30.

Chapter 13 — Periodontology and Multidisciplinary Dentistry

13.1 Periodontal–prosthodontic interface · 13.2 Periodontal–orthodontic interface · 13.3 Periodontal–endodontic interface · 13.4 Periodontal considerations in restorative dentistry

Core references: [1] Chs. on periodontal–restorative and periodontal–orthodontic interrelationships · [2] Chs. on periodontics and restorative, orthodontic and endodontic treatment · [11]

Additional

- Padbury A Jr, Eber R, Wang HL. Interactions between the gingiva and the margin of restorations. J Clin Periodontol. 2003;30(5):379–85.
- Zucchelli G, Sharma P, Mounssif I. Esthetics in periodontics and implantology. Periodontol 2000. 2018;77(1):7–18.
- Jepsen K, Jepsen S. Antibiotics/antimicrobials: systemic and local administration in the therapy of mild to moderately advanced periodontitis. Periodontol 2000. 2016;71(1):82–112.

Chapter 14 — Periodontal Medicine

14.1 Diabetes and periodontitis · 14.2 Cardiovascular disease and periodontitis · 14.3 Pregnancy and periodontal disease · 14.4 Smoking and periodontal disease

Core references: [1] Chs. on periodontal medicine and the influence of systemic conditions · [2] Chs. on periodontitis and systemic disease · [6] Grade modifiers (smoking, diabetes)

Additional

- Chapple ILC, Genco R; Working Group 2 of the Joint EFP/AAP Workshop. Diabetes and periodontal diseases: consensus report of the Joint EFP/AAP Workshop on Periodontitis and Systemic Diseases. J Clin Periodontol. 2013;40 Suppl 14:S106–12.
- Sanz M, Ceriello A, Buysschaert M, Chapple I, Demmer RT, Graziani F, 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 by the International Diabetes Federation and the European Federation of Periodontology. J Clin Periodontol. 2018;45(2):138–49.
- Tonetti MS, Van Dyke TE; Working Group 1 of the Joint EFP/AAP Workshop. Periodontitis and atherosclerotic cardiovascular disease: consensus report of the Joint EFP/AAP Workshop on Periodontitis and Systemic Diseases. J Clin Periodontol. 2013;40 Suppl 14:S24–9.
- Ide M, Papapanou PN. Epidemiology of association between maternal periodontal disease and adverse pregnancy outcomes — systematic review. J Clin Periodontol. 2013;40 Suppl 14:S181–94.

Chapter 15 — Advanced Imaging and Technology in Periodontology

15.1 Digital periodontal charting · 15.2 CBCT in periodontology · 15.3 Lasers and advanced technologies awareness

Core references: [1] Chs. on radiographic aids, advanced imaging and lasers in periodontal therapy · [2]

Additional

- European Commission. Radiation Protection No. 172: Cone Beam CT for Dental and Maxillofacial Radiology — Evidence-Based Guidelines. Luxembourg: Publications Office of the European Union; 2012.
- Walter C, Kaner D, Berndt DC, Weiger R, Zitzmann NU. Three-dimensional imaging as a pre-operative tool in decision making for furcation surgery. J Clin Periodontol. 2009;36(3):250–7.
- Walter C, Weiger R, Dietrich T, Lang NP, Zitzmann NU. Does three-dimensional imaging offer a financial benefit for treating maxillary molars with furcation involvement? A pilot clinical case series. Clin Oral Implants Res. 2012;23(3):351–8.

- Jacobs R, Salmon B, Codari M, Hassan B, Bornstein MM. Cone beam computed tomography in implant dentistry: recommendations for clinical use. BMC Oral Health. 2018;18(1):88.
- Sanz-Sánchez I, Montero E, Citterio F, Romano F, Molina A, Aimetti M. Efficacy of access flap procedures compared to subgingival debridement in the treatment of periodontitis. A systematic review and meta-analysis. J Clin Periodontol. 2020;47 Suppl 22:282–302.

Chapter 16 — Ethics, Consent and Professionalism in Periodontology

16.1 Consent in periodontal therapy · 16.2 Professionalism and referral · 16.3 Evidence-based periodontology

Core references: [1] Ch. on evidence-based decision making · [12] · [13] · [14]

Additional

- General Dental Council. Principles of Patient Consent. London: GDC; 2005.
- Montgomery v Lanarkshire Health Board [2015] UKSC 11.
- Beauchamp TL, Childress JF. Principles of Biomedical Ethics. 8th ed. New York: Oxford University Press; 2019.
- Faculty of General Dental Practice (UK). Clinical Examination and Record-Keeping: Good Practice Guidelines. 3rd ed. London: FGDP(UK); 2016.

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