



Prosthodontics I

Year 3 — Bachelor of Dental Surgery

Reference and Resource List — Chapters 1 to 20

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 core texts that cover it (by bracketed number) together with additional chapter-specific sources.

PART 1 — CORE REFERENCES (ALL CHAPTERS)

1.1 Principal prosthodontic textbooks

1. Zarb GA, Hobkirk JA, Eckert SE, Jacob RF, editors. Prosthodontic Treatment for Edentulous Patients: Complete Dentures and Implant-Supported Protheses. 13th ed. St Louis: Elsevier Mosby; 2013.
2. Lang LA, García LT, Mahrous A, editors. McCracken's Removable Partial Prosthodontics. 14th ed. St Louis: Elsevier Mosby; 2026.
3. Carr AB, Brown DT. McCracken's Removable Partial Prosthodontics. 13th ed. St Louis: Elsevier Mosby; 2016.
4. Basker RM, Davenport JC, Thomason JM. Prosthetic Treatment of the Edentulous Patient. 5th ed. Chichester: Wiley-Blackwell; 2011.
5. Rosenstiel SF, Land MF, Walter R, editors. Contemporary Fixed Prosthodontics. 6th ed. St Louis: Elsevier; 2022.
6. Shillingburg HT Jr, Sather DA, Wilson EL Jr, Cain JR, Mitchell DL, Blanco LJ, et al. Fundamentals of Fixed Prosthodontics. 4th ed. Chicago: Quintessence Publishing; 2012.
7. Rangarajan V, Padmanabhan TV. Textbook of Prosthodontics. 3rd ed. New Delhi: Elsevier India; 2024.
8. Nallaswamy D, editor. Textbook of Prosthodontics. 2nd ed. New Delhi: Jaypee Brothers Medical Publishers; 2017.
9. Davenport JC, Basker RM, Heath JR. A Clinical Guide to Removable Partial Dentures. 2nd ed. London: British Dental Journal Books; 2000.
10. Davenport JC, Basker RM, Heath JR. A Clinical Guide to Removable Partial Denture Design. London: British Dental Journal Books; 2000.

11. McCord JF, Grant AA. A Clinical Guide to Complete Denture Prosthetics. London: British Dental Journal Books; 2000.
12. Phoenix RD, Cagna DR, DeFreest CF. Stewart's Clinical Removable Partial Prosthodontics. 4th ed. Chicago: Quintessence Publishing; 2008.

1.2 Occlusion, jaw relations and articulators

13. Okeson JP. Clinical Management of Temporomandibular Disorders and Occlusion. 9th ed. St Louis: Elsevier; 2026.
14. Okeson JP. Management of Temporomandibular Disorders and Occlusion. 8th ed. St Louis: Elsevier; 2020.
15. Klineberg I, Eckert SE, editors. Functional Occlusion in Restorative Dentistry and Prosthodontics. Edinburgh: Elsevier Mosby; 2016.
16. Wassell R, Nohl F, Steele J, Walls A, editors. Extra-Coronal Restorations: Concepts and Clinical Application. 2nd ed. Cham: Springer; 2019.

1.3 Dental materials and laboratory science

17. Shen C, Rawls HR, Esquivel-Upshaw JF, editors. Phillips' Science of Dental Materials. 13th ed. St Louis: Elsevier; 2022.
18. Sakaguchi RL, Ferracane JL, Powers JM, editors. Craig's Restorative Dental Materials. 14th ed. St Louis: Elsevier; 2019.
19. McCabe JF, Walls AWG. Applied Dental Materials. 9th ed. Oxford: Blackwell Publishing; 2008.
20. O'Brien WJ, editor. Dental Materials and Their Selection. 4th ed. Chicago: Quintessence Publishing; 2008.
21. Anusavice KJ, Shen C, Rawls HR, editors. Phillips' Science of Dental Materials. 12th ed. St Louis: Elsevier Saunders; 2013.

1.4 Supporting basic and clinical sciences

22. Nanci A. Ten Cate's Oral Histology: Development, Structure, and Function. 10th ed. St Louis: Elsevier; 2024.
23. Berkovitz BKB, Holland GR, Moxham BJ. Oral Anatomy, Histology and Embryology. 5th ed. Edinburgh: Elsevier; 2017.
24. Newman MG, Klokkevold PR, Elangovan S, Kapila Y, editors. Newman and Carranza's Clinical Periodontology and Implantology. 14th ed. Philadelphia: Elsevier Saunders; 2023.
25. Glick M, Greenberg MS, Lockhart PB, Challacombe SJ, editors. Burket's Oral Medicine. 13th ed. Hoboken (NJ): Wiley Blackwell; 2021.
26. Whaites E, Drage N. Essentials of Dental Radiography and Radiology. 6th ed. Edinburgh: Elsevier; 2021.

1.5 Terminology, professional standards and curriculum

27. The Glossary of Prosthodontic Terms 2023: tenth edition. J Prosthet Dent. 2023;130(4 Suppl 1):e1–e126.
28. 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>
29. American College of Prosthodontists. Clinical practice guidelines, parameters of care and position statements. Chicago: ACP. Available from: <https://www.prosthodontics.org>
30. Dental Council of India. Bachelor of Dental Surgery (BDS) Course Regulations, 2007 (as amended). New Delhi: DCI.

1.6 Clinical guidelines, prevention and infection prevention

31. Felton D, Cooper L, Duqum I, Minsley G, Guckes A, Haug S, et al. Evidence-based guidelines for the care and maintenance of complete dentures: a publication of the American College of Prosthodontists. J Prosthodont. 2011;20(Suppl 1):S1–S12.
32. National Institute for Health and Care Excellence. Dental checks: intervals between oral health reviews. Clinical guideline CG19. London: NICE. Available from: <https://www.nice.org.uk/guidance/cg19>
33. Scottish Dental Clinical Effectiveness Programme. Clinical guidance in dentistry. Dundee: SDCEP. Available from: <https://www.sdcep.org.uk>
34. Office for Health Improvement and Disparities. Delivering better oral health: an evidence-based toolkit for prevention. London: OHID. Available from: <https://www.gov.uk>
35. Department of Health. Health Technical Memorandum 01-05: decontamination in primary care dental practices. London: Department of Health. Available from: <https://www.gov.uk>
36. Centers for Disease Control and Prevention. Guidelines for infection control in dental health-care settings. Atlanta (GA): CDC. Available from: <https://www.cdc.gov>

1.7 Key journals for currency

The Journal of Prosthetic Dentistry · Journal of Prosthodontics · The International Journal of Prosthodontics · Journal of Oral Rehabilitation · Journal of Dentistry · British Dental Journal · European Journal of Prosthodontics and Restorative Dentistry · Dental Materials · Gerodontology

PART 2 — CHAPTER-SPECIFIC REFERENCES

Chapter 1 — Foundations of Prosthodontics

1.1 Scope of prosthodontics: removable, fixed, implant, maxillofacial · 1.2 Goals: function, aesthetics, comfort, speech, tissue preservation · 1.3 Diagnostic thinking and staged care · 1.4 Basic terminology · 1.5 Prognosis concepts · 1.6 Maintenance philosophy and recall

Core texts: [1] Ch. 1 (The Edentulous State) · [2] introductory chapters on the partially edentulous patient · [5] planning and preparation section · [7] introductory chapters · [27] throughout, for definitions

Additional

- Emami E, de Souza RF, Kabawat M, Feine JS. The impact of edentulism on oral and general health. Int J Dent. 2013;2013:498305.
- Carlsson GE, Omar R. The future of complete dentures in oral rehabilitation: a critical review. J Oral Rehabil. 2010;37(2):143–56.
- Käyser AF. Shortened dental arches and oral function. J Oral Rehabil. 1981;8(5):457–62.
- Owall B, Käyser AF, Carlsson GE. Prosthodontics: Principles and Management Strategies. London: Mosby-Wolfe; 1996.
- World Health Organization. Global oral health status report: towards universal health coverage for oral health by 2030. Geneva: WHO; 2022.
- American College of Prosthodontists. Parameters of care and position statements. Chicago: ACP. Available from: <https://www.prosthodontics.org>

Chapter 2 — Patient Assessment, Diagnosis, and Treatment Planning

2.1 History taking · 2.2 Extraoral examination · 2.3 Intraoral examination · 2.4 Dentition status · 2.5 Radiographic assessment · 2.6 Risk assessment · 2.7 Treatment options · 2.8 Consent and expectation setting · 2.9 Pre-prosthetic preparation planning

Core texts: [1] Chs. 5–6 (History Taking, Treatment Planning; Additional Treatment Planning Options) · [2] diagnosis and treatment planning chapters · [4] assessment chapters · [9] Part 1 (Patient assessment) · [5] history, examination and treatment planning chapters

Additional

- Wöstmann B, Budtz-Jørgensen E, Jepson N, Mushimoto E, Palmqvist S, Sofou A, et al. Indications for removable partial dentures: a literature review. *Int J Prosthodont*. 2005;18(2):139–45.
- Feine JS, Carlsson GE, Awad MA, Chehade A, Duncan WJ, Gizani S, et al. The McGill consensus statement on overdentures. *Int J Prosthodont*. 2002;15(4):413–4.
- Thomason JM, Feine J, Exley C, Moynihan P, Müller F, Naert I, et al. Mandibular two implant-supported overdentures as the first choice standard of care for edentulous patients: the York Consensus Statement. *Br Dent J*. 2009;207(4):185–6.
- National Institute for Health and Care Excellence. Dental checks: intervals between oral health reviews. Clinical guideline CG19. London: NICE. Available from: <https://www.nice.org.uk/guidance/cg19>
- Scottish Dental Clinical Effectiveness Programme. Oral health assessment and review. Dundee: SDCEP. Available from: <https://www.sdcep.org.uk>
- College of General Dentistry. Clinical examination and record-keeping: good practice guidelines. London: CGDent. Available from: <https://cgdent.uk>

Chapter 3 — Complete Dentures: Biological and Mechanical Principles

3.1 Anatomy of the edentulous mouth · 3.2 Denture-bearing area: stress-bearing and relief areas · 3.3 Retention · 3.4 Support · 3.5 Stability · 3.6 Residual ridge resorption · 3.7 Role of saliva · 3.8 Common complete denture problems

Core texts: [1] Chs. 1, 4 and 8 · [4] chapters on the denture-bearing tissues, retention and stability · [7] complete denture section · [11] whole text

Additional

- Atwood DA. Reduction of residual ridges: a major oral disease entity. *J Prosthet Dent*. 1971;26(3):266–79.
- Tallgren A. The continuing reduction of the residual alveolar ridges in complete denture wearers: a mixed-longitudinal study covering 25 years. *J Prosthet Dent*. 1972;27(2):120–32.
- Jacobson TE, Krol AJ. A contemporary review of the factors involved in complete denture retention, stability, and support. Part I: retention. *J Prosthet Dent*. 1983;49(1):5–15.
- Jacobson TE, Krol AJ. A contemporary review of the factors involved in complete denture retention, stability, and support. Part II: stability. *J Prosthet Dent*. 1983;49(2):165–72.
- Carlsson GE. Responses of jawbone to pressure. *Gerodontology*. 2004;21(2):65–70.
- Budtz-Jørgensen E. Oral mucosal lesions associated with the wearing of removable dentures. *J Oral Pathol*. 1981;10(2):65–80.
- Berkovitz BKB, Holland GR, Moxham BJ. *Oral Anatomy, Histology and Embryology*. 5th ed. Edinburgh: Elsevier; 2017.

Chapter 4 — Clinical Procedures for Complete Dentures

4.1 Primary impressions · 4.2 Custom trays · 4.3 Border moulding · 4.4 Final impressions · 4.5 Master cast and baseplate · 4.6 Record bases and wax rims · 4.7 Jaw relation records (VDO/VDR, centric relation, facebow) · 4.8 Tooth selection · 4.9 Tooth arrangement · 4.10 Trial denture · 4.11 Processing and insertion · 4.12 Post-insertion instructions and review

Core texts: [1] Chs. 8–12 (denture-bearing area, polished surfaces and jaw relations, occlusal surfaces, try-in, insertion and follow-up) · [4] clinical procedure chapters · [11] whole text · [7] complete denture clinical section

Additional

- Rahn AO, Ivanhoe JR, Plummer KD. Textbook of Complete Dentures. 6th ed. Shelton (CT): People's Medical Publishing House; 2009.
- Craig RG. Review of dental impression materials. *Adv Dent Res.* 1988;2(1):51–64.
- Petrie CS, Walker MP, Williams K. A survey of U.S. prosthodontists and dental schools on the current materials and methods for final impressions for complete denture prosthodontics. *J Prosthodont.* 2005;14(4):253–62.
- Tjan AH, Miller GD, The JG. Some esthetic factors in a smile. *J Prosthet Dent.* 1984;51(1):24–8.
- Carlsson GE. Critical review of some dogmas in prosthodontics. *J Prosthodont Res.* 2009;53(1):3–10.
- Scottish Dental Clinical Effectiveness Programme. Clinical guidance in dentistry. Dundee: SDCEP. Available from: <https://www.sdcep.org.uk>

Chapter 5 — Occlusion for Removable Prosthodontics (Core Concepts)

5.1 Centric relation and centric occlusion · 5.2 Curves of Spee and Wilson; compensating curve · 5.3 Balanced occlusion · 5.4 Lingualised occlusion · 5.5 Error patterns: increased OVD, incorrect CR record, deflective contacts · 5.6 Clinical signs of occlusal disharmony

Core texts: [1] Chs. 9–10 · [13] chapters on occlusal concepts and mandibular movement · [15] whole text · [4] occlusion chapters · [27] for occlusal terminology

Additional

- Sutton AF, McCord JF. A randomized clinical trial comparing anatomic, lingualized, and zero-degree posterior occlusal forms for complete dentures. *J Prosthet Dent.* 2007;97(5):292–8.
- Lang BR. Complete denture occlusion. *Dent Clin North Am.* 1996;40(1):85–101.
- Carlsson GE. Critical review of some dogmas in prosthodontics. *J Prosthodont Res.* 2009;53(1):3–10.
- Klineberg I, Eckert SE, editors. Functional Occlusion in Restorative Dentistry and Prosthodontics. Edinburgh: Elsevier Mosby; 2016.
- Palla S. Occlusal considerations in complete dentures. In: McNeill C, editor. Science and Practice of Occlusion. Chicago: Quintessence; 1997.
- The Glossary of Prosthodontic Terms 2023: tenth edition. *J Prosthet Dent.* 2023;130(4 Suppl 1):e1–e126.

Chapter 6 — Partially Edentulous Patients and RPD Fundamentals

6.1 Consequences of partial edentulism · 6.2 Kennedy classification and modifications · 6.3 Applegate rules · 6.4 RPD components overview · 6.5 Biomechanics: tooth-tissue support, lever systems, fulcrum line · 6.6 Support, retention and stability applied to RPDs · 6.7 Tissue health and plaque control

Core texts: [2] chapters on classification, components and biomechanics · [3] Chs. 1–5 · [9] Part 1 · [12] introductory and classification chapters · [7] RPD section

Additional

- Applegate OC. The rationale of partial denture choice. *J Prosthet Dent.* 1960;10(5):891–907.
- Wöstmann B, Budtz-Jørgensen E, Jepson N, Mushimoto E, Palmqvist S, Sofou A, et al. Indications for removable partial dentures: a literature review. *Int J Prosthodont.* 2005;18(2):139–45.
- Zlatarić DK, Celebić A, Valentić-Peruzović M. The effect of removable partial dentures on periodontal health of abutment and non-abutment teeth. *J Periodontol.* 2002;73(2):137–44.
- Jepson NJA. *Removable Partial Dentures.* London: Quintessence Publishing; 2004.
- Käyser AF. Shortened dental arches and oral function. *J Oral Rehabil.* 1981;8(5):457–62.
- Newman MG, Klokkevold PR, Elangovan S, Kapila Y, editors. *Newman and Carranza's Clinical Periodontology and Implantology.* 14th ed. Philadelphia: Elsevier Saunders; 2023.

Chapter 7 — RPD Design Principles (Removable Partial Dentures)

7.1 Surveying · 7.2 Path of insertion and removal · 7.3 Guiding planes · 7.4 Retentive undercuts · 7.5 Clasp assemblies: suprabulge and infrabulge, Aker's clasp, I-bar, combination clasp · 7.6 Rests and rest seats · 7.7 Indirect retention · 7.8 Major connectors · 7.9 Minor connectors and finish lines · 7.10 Denture base extension and distal extension principles

Core texts: [2] chapters on surveying, direct and indirect retainers, connectors and rests · [3] Chs. 5–12 · [10] whole text · [12] design chapters · [9] Part 3

Additional

- Krol AJ. Clasp design for extension-base removable partial dentures. *J Prosthet Dent.* 1973;29(4):408–15.
- Kratochvil FJ. Influence of occlusal rest position and clasp design on movement of abutment teeth. *J Prosthet Dent.* 1963;13(1):114–24.
- Frank RP, Nicholls JJ. An investigation of the effectiveness of indirect retainers. *J Prosthet Dent.* 1977;38(5):494–506.
- Ben-Ur Z, Mijiritsky E, Gorfil C, Brosh T. Stiffness of different designs and cross-sections of maxillary and mandibular major connectors of removable partial dentures. *J Prosthet Dent.* 1999;81(5):526–32.
- Jepson NJ, Thomason JM, Steele JG. The influence of denture design on patient acceptance of partial dentures. *Br Dent J.* 1995;178(8):296–300.
- Davenport JC, Basker RM, Heath JR. *A Clinical Guide to Removable Partial Denture Design.* London: British Dental Journal Books; 2000.

Chapter 8 — RPD Clinical Procedures (Intro to Core Workflow)

8.1 Diagnosis and treatment planning for RPD · 8.2 Primary impressions · 8.3 Special trays and final impressions · 8.4 Jaw relations and articulation · 8.5 Try-in and insertion · 8.6 Post-insertion instructions · 8.7 Follow-up and adjustments · 8.8 Common RPD problems

Core texts: [2] clinical procedure and insertion chapters · [3] Chs. 13–20 · [9] Parts 2–3 · [12] clinical chapters · [7] RPD clinical section

Additional

- Zlatarić DK, Celebić A, Valentić-Peruzović M. The effect of removable partial dentures on periodontal health of abutment and non-abutment teeth. *J Periodontol.* 2002;73(2):137–44.
- Wöstmann B, Budtz-Jørgensen E, Jepson N, Mushimoto E, Palmqvist S, Sofou A, et al. Indications for removable partial dentures: a literature review. *Int J Prosthodont.* 2005;18(2):139–45.

- Jepson NJ, Thomason JM, Steele JG. The influence of denture design on patient acceptance of partial dentures. *Br Dent J.* 1995;178(8):296–300.
- Lynch CD, Allen PF. Quality of written prescriptions and master impressions for fixed and removable prosthodontics: a comparative study. *Br Dent J.* 2005;198(1):17–20.
- Jepson NJA. *Removable Partial Dentures.* London: Quintessence Publishing; 2004.
- Felton D, Cooper L, Duqum I, Minsley G, Guckes A, Haug S, et al. Evidence-based guidelines for the care and maintenance of complete dentures. *J Prosthodont.* 2011;20(Suppl 1):S1–S12.

Chapter 9 — Pre-Prosthetic Mouth Preparation (RPD and Complete Denture Context)

9.1 Disease control: caries, periodontal therapy, endodontic needs · 9.2 Extraction planning and transitional prostheses · 9.3 Soft tissue management: flabby ridges, hyperplasia · 9.4 Hard tissue issues: tori, exostoses, undercuts, ridge irregularities · 9.5 Frenectomy and vestibuloplasty · 9.6 Abutment tooth preparation: rest seats and guide planes

Core texts: [1] Ch. 5 (Improving Denture-Bearing Areas) · [2] mouth preparation chapters · [3] Ch. on preparation of the mouth · [4] chapters on the transition to edentulousness · [9] Part 2 (Preparation of the mouth)

Additional

- Lynch CD, Allen PF. Management of the flabby ridge: using contemporary materials to solve an old problem. *Br Dent J.* 2006;200(5):258–61.
- Nyman S, Lindhe J. A longitudinal study of combined periodontal and prosthetic treatment of patients with advanced periodontal disease. *J Periodontol.* 1979;50(4):163–9.
- Newman MG, Klokkevold PR, Elangovan S, Kapila Y, editors. *Newman and Carranza's Clinical Periodontology and Implantology.* 14th ed. Philadelphia: Elsevier Saunders; 2023.
- Scottish Dental Clinical Effectiveness Programme. Clinical guidance in dentistry. Dundee: SDCEP. Available from: <https://www.sdcep.org.uk>
- Office for Health Improvement and Disparities. Delivering better oral health: an evidence-based toolkit for prevention. London: OHID. Available from: <https://www.gov.uk>
- Glick M, Greenberg MS, Lockhart PB, Challacombe SJ, editors. *Burket's Oral Medicine.* 13th ed. Hoboken (NJ): Wiley Blackwell; 2021.

Chapter 10 — Impression Materials and Techniques (Applied to Prosthodontics I)

10.1 Impression material properties · 10.2 Alginate: manipulation, errors, storage and pouring · 10.3 Elastomers and addition silicone · 10.4 Impression compound and border moulding materials · 10.5 Common impression errors and troubleshooting · 10.6 Disinfection of impressions and casts

Core texts: [1] Ch. 7 (Materials Used in the Management of Edentulous Patients) · [17] impression materials chapters · [18] chapters on impression materials · [19] impression materials chapter · [5] impression-making chapters

Additional

- Craig RG. Review of dental impression materials. *Adv Dent Res.* 1988;2(1):51–64.
- Punj A, Bompolaki D, Garaicoa J. Dental impression materials and techniques. *Dent Clin North Am.* 2017;61(4):779–96.
- Hamalian TA, Nasr E, Chidiac JJ. Impression materials in fixed prosthodontics: influence of choice on clinical procedure. *J Prosthodont.* 2011;20(2):153–60.

- Department of Health. Health Technical Memorandum 01-05: decontamination in primary care dental practices. London: Department of Health. Available from: <https://www.gov.uk>
- Centers for Disease Control and Prevention. Guidelines for infection control in dental health-care settings. Atlanta (GA): CDC. Available from: <https://www.cdc.gov>
- McCabe JF, Walls AWG. Applied Dental Materials. 9th ed. Oxford: Blackwell Publishing; 2008.

Chapter 11 — Dental Laboratory Procedures (Core Intro)

11.1 Study casts and diagnostic mounting · 11.2 Custom tray fabrication · 11.3 Record base and wax rim fabrication · 11.4 Flasking, packing and processing of acrylic dentures · 11.5 Finishing and polishing; quality checks · 11.6 RPD framework basics: casting and wrought elements

Core texts: [1] Ch. 7 · [2] laboratory procedure chapters · [3] Chs. on laboratory procedures · [5] laboratory procedures section · [17] gypsum, waxes, investments and casting chapters

Additional

- Anusavice KJ, Shen C, Rawls HR, editors. Phillips' Science of Dental Materials. 12th ed. St Louis: Elsevier Saunders; 2013.
- Lynch CD, Allen PF. Quality of written prescriptions and master impressions for fixed and removable prosthodontics: a comparative study. Br Dent J. 2005;198(1):17–20.
- Zissis AJ, Polyzois GL, Yannikakis SA, Harrison A. Roughness of denture materials: a comparative study. Int J Prosthodont. 2000;13(2):136–40.
- Department of Health. Health Technical Memorandum 01-05: decontamination in primary care dental practices. London: Department of Health. Available from: <https://www.gov.uk>
- O'Brien WJ, editor. Dental Materials and Their Selection. 4th ed. Chicago: Quintessence Publishing; 2008.
- Phoenix RD, Cagna DR, DeFreest CF. Stewart's Clinical Removable Partial Prosthodontics. 4th ed. Chicago: Quintessence Publishing; 2008.

Chapter 12 — Denture Base Materials and Acrylic Resins

12.1 Acrylic resin types: heat-cure and self-cure · 12.2 Polymerisation shrinkage and porosity · 12.3 Denture base strength, thickness and reinforcement · 12.4 Repair materials and techniques · 12.5 Tissue conditioners and soft liners · 12.6 Allergies and monomer sensitivity

Core texts: [17] denture base polymers chapter · [18] resins for prosthetic devices chapter · [19] polymers and polymerisation chapters · [1] Ch. 7 · [5] provisional and polymer materials chapters

Additional

- Vallittu PK. Flexural properties of acrylic resin polymers reinforced with unidirectional and woven glass fibers. J Prosthet Dent. 1999;81(3):318–26.
- Jorge JH, Giampaolo ET, Machado AL, Vergani CE. Cytotoxicity of denture base acrylic resins: a literature review. J Prosthet Dent. 2003;90(2):190–3.
- Murata H, Taguchi N, Hamada T, McCabe JF. Dynamic viscoelastic properties and the age changes of long-term soft denture liners. Biomaterials. 2000;21(14):1421–7.
- Zissis AJ, Polyzois GL, Yannikakis SA, Harrison A. Roughness of denture materials: a comparative study. Int J Prosthodont. 2000;13(2):136–40.

- Shen C, Rawls HR, Esquivel-Upshaw JF, editors. *Phillips' Science of Dental Materials*. 13th ed. St Louis: Elsevier; 2022.
- McCabe JF, Walls AWG. *Applied Dental Materials*. 9th ed. Oxford: Blackwell Publishing; 2008.

Chapter 13 — Denture Hygiene, Maintenance, and Patient Education

13.1 Denture hygiene methods: brushing and soaking solutions • 13.2 Night-time wear advice and tissue rest • 13.3 Denture stomatitis: recognition, risk factors, prevention • 13.4 Managing xerostomia in denture wearers • 13.5 Recall schedule and maintenance checks

Core texts: [1] Chs. 4 and 12 • [4] chapters on denture hygiene and review • [11] maintenance chapters • [31] whole guideline • [7] maintenance section

Additional

- Felton D, Cooper L, Duqum I, Minsley G, Guckes A, Haug S, et al. Evidence-based guidelines for the care and maintenance of complete dentures: a publication of the American College of Prosthodontists. *J Prosthodont*. 2011;20(Suppl 1):S1–S12.
- Gendreau L, Loewy ZG. Epidemiology and etiology of denture stomatitis. *J Prosthodont*. 2011;20(4):251–60.
- Budtz-Jørgensen E. Oral mucosal lesions associated with the wearing of removable dentures. *J Oral Pathol*. 1981;10(2):65–80.
- Emami E, de Souza RF, Kabawat M, Feine JS. The impact of edentulism on oral and general health. *Int J Dent*. 2013;2013:498305.
- National Institute for Health and Care Excellence. Dental checks: intervals between oral health reviews. Clinical guideline CG19. London: NICE. Available from: <https://www.nice.org.uk/guidance/cg19>
- Office for Health Improvement and Disparities. Delivering better oral health: an evidence-based toolkit for prevention. London: OHID. Available from: <https://www.gov.uk>

Chapter 14 — Complications and Management (Complete Dentures and RPD)

14.1 Sore spots: causes, relief areas and adjustment • 14.2 Lack of retention • 14.3 Lack of stability • 14.4 Speech problems • 14.5 Gagging • 14.6 RPD-specific problems: clasp discomfort, caries risk, abutment mobility

Core texts: [1] Chs. 4, 12 and 15 • [4] chapter on diagnosis and management of clinical problems • [11] problem-solving chapters • [2] chapters on post-insertion care and maintenance

Additional

- Jacobson TE, Krol AJ. A contemporary review of the factors involved in complete denture retention, stability, and support. Part I: retention. *J Prosthet Dent*. 1983;49(1):5–15.
- Budtz-Jørgensen E. Oral mucosal lesions associated with the wearing of removable dentures. *J Oral Pathol*. 1981;10(2):65–80.
- Gendreau L, Loewy ZG. Epidemiology and etiology of denture stomatitis. *J Prosthodont*. 2011;20(4):251–60.
- Kapur KK. A clinical evaluation of denture adhesives. *J Prosthet Dent*. 1967;18(6):550–8.
- Lynch CD, Allen PF. Management of the flabby ridge: using contemporary materials to solve an old problem. *Br Dent J*. 2006;200(5):258–61.
- Carlsson GE. Critical review of some dogmas in prosthodontics. *J Prosthodont Res*. 2009;53(1):3–10.

Chapter 15 — Fundamentals of Fixed Prosthodontics (Intro Module)

15.1 Indications for crowns and bridges versus direct restorations • 15.2 Biological principles: pulpal health, periodontal considerations, emergence profile • 15.3 Mechanical principles: retention, resistance, structural durability • 15.4 Aesthetic principles • 15.5 Margin types: chamfer, shoulder, bevelled shoulder • 15.6 Finish line location • 15.7 Occlusal clearance and functional cusp bevel

Core texts: [5] planning and preparation section • [6] Chs. on fundamentals of tooth preparation, principles of retention and resistance, and finish lines • [16] whole text • [7] fixed prosthodontics section

Additional

- Goodacre CJ, Campagni WV, Aquilino SA. Tooth preparations for complete crowns: an art form based on scientific principles. *J Prosthet Dent.* 2001;85(4):363–76.
- Goodacre CJ, Bernal G, Rungcharassaeng K, Kan JY. Clinical complications in fixed prosthodontics. *J Prosthet Dent.* 2003;90(1):31–41.
- Padbury A Jr, Eber R, Wang HL. Interactions between the gingiva and the margin of restorations. *J Clin Periodontol.* 2003;30(5):379–85.
- Gargiulo AW, Wentz FM, Orban B. Dimensions and relations of the dentogingival junction in humans. *J Periodontol.* 1961;32(3):261–7.
- Wassell R, Nohl F, Steele J, Walls A, editors. *Extra-Coronal Restorations: Concepts and Clinical Application.* 2nd ed. Cham: Springer; 2019.
- Edelhoff D, Sorensen JA. Tooth structure removal associated with various preparation designs for anterior teeth. *J Prosthet Dent.* 2002;87(5):503–9.

Chapter 16 — Tooth Preparation Principles (Hands-on Intro)

Armamentarium and depth-orientation burs • Taper and path of insertion • Retention and resistance form • Occlusal reduction • Axial reduction • Finish line quality • Common preparation errors • Soft tissue protection

Core texts: [6] Chs. on fundamentals of tooth preparation and principles of retention and resistance • [5] tooth preparation chapters • [16] whole text • [7] tooth preparation section

Additional

- Jorgensen KD. The relationship between retention and convergence angle in cemented veneer crowns. *Acta Odontol Scand.* 1955;13(1):35–40.
- Wilson AH Jr, Chan DC. The relationship between preparation convergence and retention of extracoronal retainers. *J Prosthodont.* 1994;3(2):74–8.
- Goodacre CJ, Campagni WV, Aquilino SA. Tooth preparations for complete crowns: an art form based on scientific principles. *J Prosthet Dent.* 2001;85(4):363–76.
- Edelhoff D, Sorensen JA. Tooth structure removal associated with various preparation designs for posterior teeth. *Int J Periodontics Restorative Dent.* 2002;22(3):241–9.
- Shillingburg HT Jr, Jacobi R, Brackett SE. *Fundamentals of Tooth Preparations for Cast Metal and Porcelain Restorations.* Chicago: Quintessence Publishing; 1987.
- Wassell R, Nohl F, Steele J, Walls A, editors. *Extra-Coronal Restorations: Concepts and Clinical Application.* 2nd ed. Cham: Springer; 2019.

Chapter 17 — Complete Crown Preparations (Conceptual and Demonstration Level)

17.1 Full metal crown preparation • 17.2 PFM crown preparation • 17.3 All-ceramic crown preparation • 17.4 Provisional crowns: purposes, materials and temporisation • 17.5 Impression concepts and gingival displacement • 17.6 Cementation: temporary and definitive luting agents

Core texts: [5] chapters on complete cast crowns, metal-ceramic and all-ceramic restorations, provisional restorations and luting agents • [6] Chs. on complete cast crown, metal-ceramic crown and provisional restorations • [17] luting cements chapter

Additional

- Goodacre CJ, Campagni WV, Aquilino SA. Tooth preparations for complete crowns: an art form based on scientific principles. *J Prosthet Dent.* 2001;85(4):363–76.
- Christensen GJ. Marginal fit of gold inlay castings. *J Prosthet Dent.* 1966;16(2):297–305.
- Sailer I, Makarov NA, Thoma DS, Zwahlen M, Pjetursson BE. All-ceramic or metal-ceramic tooth-supported fixed dental prostheses (FDPs)? A systematic review of the survival and complication rates. Part I: single crowns (SCs). *Dent Mater.* 2015;31(6):603–23.
- Pjetursson BE, Sailer I, Makarov NA, Zwahlen M, Thoma DS. All-ceramic or metal-ceramic tooth-supported fixed dental prostheses (FDPs)? A systematic review of the survival and complication rates. Part II: multiple-unit FDPs. *Dent Mater.* 2015;31(6):624–39.
- Padbury A Jr, Eber R, Wang HL. Interactions between the gingiva and the margin of restorations. *J Clin Periodontol.* 2003;30(5):379–85.
- Shen C, Rawls HR, Esquivel-Upshaw JF, editors. *Phillips' Science of Dental Materials.* 13th ed. St Louis: Elsevier; 2022.

Chapter 18 — Fixed Partial Dentures (Bridgework) — Introductory

18.1 Indications and contraindications • 18.2 Basic components: retainers, pontics, connectors • 18.3 Pontic design: hygienic, ridge lap, modified ridge lap • 18.4 Abutment assessment: periodontal status, crown-root ratio, vitality • 18.5 Biomechanics: span length, leverage, occlusal load

Core texts: [5] chapters on treatment planning for fixed prosthodontics, pontic design and connectors • [6] Chs. on fixed partial denture design and pontic design • [16] chapters on bridge design and resin-bonded bridges

Additional

- Pjetursson BE, Tan K, Lang NP, Brägger U, Egger M, Zwahlen M. A systematic review of the survival and complication rates of fixed partial dentures (FPDs) after an observation period of at least 5 years. *Clin Oral Implants Res.* 2004;15(6):625–42.
- Tan K, Pjetursson BE, Lang NP, Chan ES. A systematic review of the survival and complication rates of conventional fixed partial dentures (FPDs) after an observation period of at least 5 years. Part II: fixed partial dentures. *Clin Oral Implants Res.* 2004;15(6):654–66.
- Goodacre CJ, Bernal G, Rungcharassaeng K, Kan JY. Clinical complications in fixed prosthodontics. *J Prosthet Dent.* 2003;90(1):31–41.
- Nyman S, Lindhe J. A longitudinal study of combined periodontal and prosthetic treatment of patients with advanced periodontal disease. *J Periodontol.* 1979;50(4):163–9.
- Wassell R, Nohl F, Steele J, Walls A, editors. *Extra-Coronal Restorations: Concepts and Clinical Application.* 2nd ed. Cham: Springer; 2019.

- Smith BGN, Howe LC. Planning and Making Crowns and Bridges. 4th ed. London: Informa Healthcare; 2006.

Chapter 19 — Articulators and Jaw Relations (Cross-Over Module)

19.1 Mean value versus semi-adjustable articulators · 19.2 Facebow transfer · 19.3 Centric relation recording in fixed and removable prosthodontics · 19.4 Clinical significance of mounting

Core texts: [1] Ch. 9 (Recording Jaw Relations and Their Transfer to an Articulator) · [5] chapters on articulators and interocclusal records · [6] Chs. on articulators and interocclusal records · [13] chapters on mandibular movement and its determinants · [15] whole text

Additional

- Klineberg I, Eckert SE, editors. Functional Occlusion in Restorative Dentistry and Prosthodontics. Edinburgh: Elsevier Mosby; 2016.
- Carlsson GE. Critical review of some dogmas in prosthodontics. J Prosthodont Res. 2009;53(1):3–10.
- Wassell R, Nohl F, Steele J, Walls A, editors. Extra-Coronal Restorations: Concepts and Clinical Application. 2nd ed. Cham: Springer; 2019.
- Okeson JP. Clinical Management of Temporomandibular Disorders and Occlusion. 9th ed. St Louis: Elsevier; 2026.
- The Glossary of Prosthodontic Terms 2023: tenth edition. J Prosthet Dent. 2023;130(4 Suppl 1):e1–e126.
- Shillingburg HT Jr, Wilson EL Jr, Morrison JT. Guide to Occlusal Waxing. 3rd ed. Chicago: Quintessence Publishing; 2000.

Chapter 20 — Professionalism, Documentation, Consent, and Cross-Infection Control

20.1 Clinical records for prosthodontic patients · 20.2 Consent: expectations, limitations, adaptation, maintenance, fracture risk · 20.3 Laboratory prescriptions and communication · 20.4 Infection prevention: impressions, bite registrations, try-ins, prosthesis disinfection · 20.5 Referral thresholds

Core texts: [2] chapters on patient communication and records · [4] chapters on quality control and audit · [28] whole framework · [32]–[36] guidance documents

Additional

- 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>
- General Dental Council. Standards for the Dental Team. London: GDC. Available from: <https://www.gdc-uk.org>
- College of General Dentistry. Clinical examination and record-keeping: good practice guidelines. London: CGDent. Available from: <https://cgdent.uk>
- Lynch CD, Allen PF. Quality of written prescriptions and master impressions for fixed and removable prosthodontics: a comparative study. Br Dent J. 2005;198(1):17–20.
- Department of Health. Health Technical Memorandum 01-05: decontamination in primary care dental practices. London: Department of Health. Available from: <https://www.gov.uk>
- Centers for Disease Control and Prevention. Guidelines for infection control in dental health-care settings. Atlanta (GA): CDC. Available from: <https://www.cdc.gov>
- Scottish Dental Clinical Effectiveness Programme. Decontamination into practice. Dundee: SDCEP. Available from: <https://www.sdcep.org.uk>

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