General Surgery (Early Exposure)

Year 2 — Bachelor of Dental Surgery

Reference and Resource List — Chapters 1 to 15

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 surgery textbooks

1. O'Connell PR, McCaskie AW, Sayers RD, editors. Bailey & Love's Short Practice of Surgery. 28th ed. Boca Raton (FL): CRC Press, Taylor & Francis Group; 2023.

2. Bhat M Sriram. SRB's Manual of Surgery. 8th ed. New Delhi: Jaypee Brothers Medical Publishers; 2025.

3. Townsend CM Jr, Beauchamp RD, Evers BM, Mattox KL, editors. Sabiston Textbook of Surgery: The Biological Basis of Modern Surgical Practice. 21st ed. Philadelphia: Elsevier; 2022.

4. Brunicardi FC, Andersen DK, Billiar TR, Dunn DL, Kao LS, Hunter JG, et al., editors. Schwartz's Principles of Surgery. 11th ed. New York: McGraw Hill; 2019.

5. Browse NL, Black J, Burnand KG, Thomas WEG. Browse's Introduction to the Symptoms and Signs of Surgical Disease. 5th ed. Boca Raton (FL): CRC Press; 2014.

6. Kirk RM. Basic Surgical Techniques. 7th ed. Edinburgh: Elsevier; 2018.

7. Das S. A Manual on Clinical Surgery with New Diagnostic Algorithms, Special Investigations and Differential Diagnosis. 18th ed. New Delhi: Jaypee Brothers Medical Publishers; 2025.

8. Ellis H, Mahadevan V. Clinical Anatomy: Applied Anatomy for Students and Junior Doctors. 14th ed. Oxford: Wiley Blackwell; 2018.

1.2 Oral and maxillofacial surgery and the dental interface

9. Hupp JR, Tucker MR, Ellis E. Contemporary Oral and Maxillofacial Surgery. 7th ed. St Louis: Elsevier; 2019.

10. Miloro M, Ghali GE, Larsen PE, Waite PD, editors. Peterson's Principles of Oral and Maxillofacial Surgery. 4th ed. Cham: Springer; 2022.

11. Fragiskos FD. Oral Surgery. Berlin: Springer; 2007.

12. Coulthard P, Horner K, Sloan P, Theaker E. Master Dentistry Volume 1: Oral and Maxillofacial Surgery, Radiology, Pathology and Oral Medicine. 3rd ed. Edinburgh: Churchill Livingstone Elsevier; 2013.

13. Malamed SF. Medical Emergencies in the Dental Office. 8th ed. St Louis: Elsevier; 2022.

14. Scully C, 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 Pathology, physiology and basic science underpinning surgery

15. Kumar V, Abbas AK, Aster JC, editors. Robbins Basic Pathology. 11th ed. Philadelphia: Elsevier; 2023.

16. Kumar V, Abbas AK, Aster JC, Turner JR, editors. Robbins and Cotran Pathologic Basis of Disease. 11th ed. Philadelphia: Elsevier; 2025.

17. Cross SS, editor. Underwood's Pathology: A Clinical Approach. 7th ed. Edinburgh: Elsevier; 2018.

18. Hall JE, Hall ME. Guyton and Hall Textbook of Medical Physiology. 14th ed. Philadelphia: Elsevier; 2021.

19. Mohan H. Textbook of Pathology. 9th ed. New Delhi: Jaypee Brothers Medical Publishers; 2023.

1.4 Infection prevention, antimicrobial and decontamination standards

20. World Health Organization. Global guidelines for the prevention of surgical site infection. 2nd ed. Geneva: WHO; 2018. Available from: https://www.who.int/publications/i/item/9789241550475

21. National Institute for Health and Care Excellence. Surgical site infections: prevention and treatment. NICE guideline NG125. London: NICE. Available from: https://www.nice.org.uk/guidance/ng125

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

23. Berríos-Torres SI, Umscheid CA, Bratzler DW, Leas B, Stone EC, Kelz RR, et al. Centers for Disease Control and Prevention guideline for the prevention of surgical site infection, 2017. JAMA Surg. 2017;152(8):784–91.

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

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

26. World Health Organization. WHO guidelines on hand hygiene in health care. Geneva: WHO; 2009. Available from: https://www.who.int/publications/i/item/9789241597906

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

1.5 Trauma, resuscitation and emergency standards

28. American College of Surgeons Committee on Trauma. Advanced Trauma Life Support (ATLS) Student Course Manual. 11th ed. Chicago (IL): American College of Surgeons; 2025. Available from: https://www.facs.org/quality-programs/trauma/education/advanced-trauma-life-support/

29. Resuscitation Council UK. Emergency treatment of anaphylaxis: guidelines for healthcare providers. London: Resuscitation Council UK; 2021. Available from: https://www.resus.org.uk

30. Resuscitation Council UK. Adult advanced life support guidelines. London: Resuscitation Council UK; 2021. Available from: https://www.resus.org.uk/library/2021-resuscitation-guidelines

31. National Institute for Health and Care Excellence. Suspected sepsis in people aged 16 or over: recognition, assessment and early management. NICE guideline NG253. London: NICE. Available from: https://www.nice.org.uk/guidance/ng253

32. Evans L, Rhodes A, Alhazzani W, Antonelli M, Coopersmith CM, French C, et al. Surviving Sepsis Campaign: international guidelines for management of sepsis and septic shock 2021. Intensive Care Med. 2021;47(11):1181–247.

33. Singer M, Deutschman CS, Seymour CW, Shankar-Hari M, Annane D, Bauer M, et al. The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3). JAMA. 2016;315(8):801–10.

1.6 Perioperative care, patient safety and consent

34. World Health Organization. WHO guidelines for safe surgery 2009: safe surgery saves lives. Geneva: WHO; 2009. Available from: https://www.who.int/publications/i/item/9789241598552

35. National Institute for Health and Care Excellence. Routine preoperative tests for elective surgery. NICE guideline NG45. London: NICE. Available from: https://www.nice.org.uk/guidance/ng45

36. Royal College of Surgeons of England. Consent: supported decision-making — a guide to good practice. London: RCS England; 2018. Available from: https://www.rcseng.ac.uk

37. American Society of Anesthesiologists. ASA Physical Status Classification System. Schaumburg (IL): ASA. Available from: https://www.asahq.org

38. 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

1.7 Oncology, staging and cancer referral standards

39. Brierley JD, Giuliani M, O'Sullivan B, Rous B, Van Eycken E, editors. TNM Classification of Malignant Tumours. 9th ed. Oxford: Wiley Blackwell; 2025. Available from: https://www.uicc.org/what-we-do/sharing-knowledge/tnm

40. 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

41. 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

1.8 Curriculum and professional standards

42. General Dental Council. Preparing for practice: dental team learning outcomes for registration. London: GDC; 2015. Available from: https://www.gdc-uk.org

43. General Dental Council. Standards for the Dental Team. London: GDC; 2013. Available from: https://standards.gdc-uk.org

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

1.9 Key journals for currency

British Journal of Surgery · Annals of Surgery · Surgery · World Journal of Emergency Surgery · Injury · Burns · Wound Repair and Regeneration · Journal of Hospital Infection · British Journal of Oral and Maxillofacial Surgery · International Journal of Oral and Maxillofacial Surgery · Journal of Oral and Maxillofacial Surgery · Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology · British Dental Journal · Journal of Dental Research

PART 2 — CHAPTER-SPECIFIC REFERENCES

Chapter 1 — Introduction to Surgery for Dental Students

1.1 Scope and relevance to dentistry · 1.2 Common surgical terminology

Core texts: [1] Chs. 7 (Basic surgical skills), 14 (Ethics and law in surgical practice), 15 (Human factors, patient safety and quality improvement), 16 (Global health and surgery) · [2] Introductory chapters on general surgery · [3] Chs. on the surgeon and the surgical patient · [9] Chs. 1–3 (Preoperative Health Status Evaluation; Prevention and Management of Medical Emergencies; Principles of Surgery) · [10] Introductory section · [42]

Additional

- Haynes AB, Weiser TG, Berry WR, Lipsitz SR, Breizat AH, Dellinger EP, et al. A surgical safety checklist to reduce morbidity and mortality in a global population. N Engl J Med. 2009;360(5):491–9.
- Weiser TG, Haynes AB. Ten years of the WHO Surgical Safety Checklist. Br J Surg. 2018;105(8):927–9.
- Ogle OE. Odontogenic infections. Dent Clin North Am. 2017;61(2):235–52.
- Flynn TR. What are the antibiotics of choice for odontogenic infections, and how long should the treatment course last? Oral Maxillofac Surg Clin North Am. 2011;23(4):519–36.
- Royal College of Surgeons of England, Faculty of Dental Surgery. Clinical guidelines and standards for dental practice. London: RCS England. Available from: https://www.rcseng.ac.uk/dental-faculties/fds/
- World Health Organization. WHO guidelines for safe surgery 2009: safe surgery saves lives. Geneva: WHO; 2009. Available from: https://www.who.int/publications/i/item/9789241598552

Chapter 2 — Surgical Asepsis, Sterilization, and OT Discipline

2.1 Principles of asepsis · 2.2 Sterilization and disinfection (surgery perspective) · 2.3 Operating theatre etiquette and safety

Core texts: [1] Chs. 5 (Surgical infection), 7 (Basic surgical skills), 15 · [2] Ch. on sterilisation, asepsis and antisepsis · [4] Ch. on surgical infections · [9] Ch. 5 (Infection Control in Surgical Practice) · [20] · [26] · [27]

Additional

- Tanner J, Dumville JC, Norman G, Fortnam M. Surgical hand antisepsis to reduce surgical site infection. Cochrane Database Syst Rev. 2016;(1):CD004288.
- Kampf G, Kramer A. Epidemiologic background of hand hygiene and evaluation of the most important agents for scrubs and rubs. Clin Microbiol Rev. 2004;17(4):863–93.
- Rutala WA, Weber DJ; Healthcare Infection Control Practices Advisory Committee. Guideline for disinfection and sterilization in healthcare facilities. Atlanta (GA): Centers for Disease Control and Prevention. Available from: https://www.cdc.gov/infection-control/hcp/disinfection-sterilization/
- Spaulding EH. Chemical disinfection of medical and surgical materials. In: Lawrence CA, Block SS, editors. Disinfection, Sterilization and Preservation. Philadelphia: Lea & Febiger; 1968. p. 517–31.
- Allegranzi B, Bischoff P, de Jonge S, Kubilay NZ, Zayed B, Gomes SM, et al. New WHO recommendations on preoperative measures for surgical site infection prevention: an evidence-based global perspective. Lancet Infect Dis. 2016;16(12):e276–87.
- World Health Organization. Decontamination and reprocessing of medical devices for health-care facilities. Geneva: WHO; 2016. Available from: https://www.who.int/publications/i/item/9789241549851

Chapter 3 — Preoperative Assessment and Preparation (Foundation)

3.1 Pre-operative evaluation · 3.2 Pre-operative investigations · 3.3 Informed consent (surgical emphasis) · 3.4 Pre-operative preparation

Core texts: [1] Chs. 21 (Preoperative care including the high-risk surgical patient), 22 (Day case surgery), 23 (Anaesthesia and pain relief), 25 (Nutrition and fluid therapy), 14 · [2] Ch. on preoperative preparation and anaesthesia · [3] Chs. on

principles of preoperative and operative surgery · [9] Chs. 1, 2 and 12 (Medicolegal Considerations) · [35] · [36] · [37] · [38]

Additional

- Thompson A, Fleischmann KE, Smilowitz NR, de las Fuentes L, Mukherjee D, Aggarwal NR, et al. 2024 AHA/ACC/multisociety guideline for perioperative cardiovascular management for noncardiac surgery. Circulation. 2024. doi:10.1161/CIR.0000000000001285.
- Smetana GW, Lawrence VA, Cornell JE. Preoperative pulmonary risk stratification for noncardiothoracic surgery: systematic review for the American College of Physicians. Ann Intern Med. 2006;144(8):581–95.
- Chow WB, Rosenthal RA, Merkow RP, Ko CY, Esnaola NF. Optimal preoperative assessment of the geriatric surgical patient: a best practices guideline. J Am Coll Surg. 2012;215(4):453–66.
- Montgomery v Lanarkshire Health Board [2015] UKSC 11. London: The Supreme Court. Available from: https://www.supremecourt.uk
- Royal College of Anaesthetists. Guidelines for the Provision of Anaesthetic Services. London: RCoA. Available from: https://www.rcoa.ac.uk
- Hulzebos EH, Smit Y, Helders PP, van Meeteren NL. Preoperative physical therapy for elective cardiac surgery patients. Cochrane Database Syst Rev. 2012;11:CD010118.

Chapter 4 — Basic Surgical Instruments and Handling (Intro)

4.1 Instrument categories · 4.2 Common suture materials · 4.3 Principles of gentle tissue handling

Core texts: [1] Ch. 7 (Basic surgical skills) · [2] Ch. on surgical instruments and operative surgery · [6] Chs. on handling instruments, knots and sutures · [9] Ch. 7 (Instrumentation for Basic Oral Surgery) and Ch. 3 (Principles of Surgery) · [11] Chs. on armamentarium · [10]

Additional

- Kudur MH, Pai SB, Sripathi H, Prabhu S. Sutures and suturing techniques in skin closure. Indian J Dermatol Venereol Leprol. 2009;75(4):425–34.
- Dennis C, Sethu S, Nayak S, Mohan L, Morsi YY, Manivasagam G. Suture materials — current and emerging trends. J Biomed Mater Res A. 2016;104(6):1544–59.
- Halsted WS. The employment of fine silk in preference to catgut and the advantages of transfixing tissues and vessels in controlling haemorrhage. JAMA. 1913;60(15):1119–26.
- Leknes KN, Røynstrand IT, Selvig KA. Human gingival tissue reactions to silk and expanded polytetrafluoroethylene sutures. J Periodontol. 2005;76(1):34–42.
- Silverstein LH, Kurtzman GM. A review of dental suturing for optimal soft-tissue management. Compend Contin Educ Dent. 2005;26(3):163–6.
- Association for Perioperative Practice. Standards and Recommendations for Safe Perioperative Practice. Harrogate: AfPP. Available from: https://www.afpp.org.uk

Chapter 5 — Incisions, Flaps, and Surgical Wounds (Foundation)

5.1 Principles of incision placement · 5.2 Surgical flaps · 5.3 Wound classification · 5.4 Types of wound closure

Core texts: [1] Chs. 3 (Wound healing and tissue repair), 7, 45 (Skin and subcutaneous tissue), 47 (Plastic and reconstructive surgery) · [2] Chs. on wounds, sinus and fistula · [6] Chs. on incisions, access and closure · [9] Ch. 3 (Principles of Surgery) and Ch. 4 (Wound Repair) · [10] Chs. on soft tissue surgery · [11] Chs. on flap design

Additional

- Langer K. On the anatomy and physiology of the skin. I. The cleavability of the cutis. Br J Plast Surg. 1978;31(1):3–8.
- Borges AF. Relaxed skin tension lines (RSTL) versus other skin lines. Plast Reconstr Surg. 1984;73(1):144–50.
- Ortega G, Rhee DS, Papandria DJ, Yang J, Ibrahim AM, Shore AD, et al. An evaluation of surgical site infections by wound classification system using the ACS-NSQIP. J Surg Res. 2012;174(1):33–8.

- Berríos-Torres SI, Umscheid CA, Bratzler DW, Leas B, Stone EC, Kelz RR, et al. Centers for Disease Control and Prevention guideline for the prevention of surgical site infection, 2017. JAMA Surg. 2017;152(8):784–91.
- Sortino F, Cicciù M. Strategies used to inhibit postoperative swelling following removal of impacted lower third molar. Dent Res J (Isfahan). 2011;8(4):162–71.
- Ferreira MC, Tuma P Jr, Carvalho VF, Kamamoto F. Complex wounds. Clinics (Sao Paulo). 2006;61(6):571–8.

Chapter 6 — Hemostasis, Bleeding, and Shock (Early Exposure Core)

6.1 Haemostasis basics · 6.2 Methods of haemostasis · 6.3 Haemorrhage classification · 6.4 Shock (recognition level)

Core texts: [1] Chs. 1 (Metabolic response to injury), 2 (Shock, haemorrhage and transfusion), 24 (Postoperative care including perioperative optimisation) · [2] Chs. on haemorrhage, shock and blood transfusion · [4] Ch. on haemostasis, surgical bleeding and transfusion · [18] Chs. on haemostasis and the circulation · [9] Chs. 3 and 11 (Postextraction Patient Management) · [28] · [38]

Additional

- Cannon JW. Hemorrhagic shock. N Engl J Med. 2018;378(4):370–9.
- Vincent JL, De Backer D. Circulatory shock. N Engl J Med. 2013;369(18):1726–34.
- Standl T, Annecke T, Cascorbi I, Heller AR, Sabashnikov A, Teske W. The nomenclature, definition and distinction of types of shock. Dtsch Arztebl Int. 2018;115(45):757–68.
- Hoffman M, Monroe DM 3rd. A cell-based model of hemostasis. Thromb Haemost. 2001;85(6):958–65.
- CRASH-2 trial collaborators. Effects of tranexamic acid on death, vascular occlusive events, and blood transfusion in trauma patients with significant haemorrhage (CRASH-2): a randomised, placebo-controlled trial. Lancet. 2010;376(9734):23–32.
- Kumbargere Nagraj S, Prashanti E, Aggarwal H, Lingappa A, Muthu MS, Kiran Kumar Krishanappa S, et al. Interventions for treating post-extraction bleeding. Cochrane Database Syst Rev. 2018;(3):CD011930.
- 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

Chapter 7 — Wound Healing (High-Yield)

7.1 Phases of wound healing · 7.2 Cellular and molecular basis · 7.3 Factors affecting wound healing · 7.4 Wound complications

Core texts: [1] Chs. 3 (Wound healing and tissue repair), 4 (Tissue engineering and regenerative therapies), 45 · [2] Chs. on wound healing, ulcers, sinus and fistula · [15] Ch. on tissue repair: regeneration, healing and fibrosis · [16] Ch. on tissue renewal, regeneration and repair · [9] Ch. 4 (Wound Repair) · [17]

Additional

- Gurtner GC, Werner S, Barrandon Y, Longaker MT. Wound repair and regeneration. Nature. 2008;453(7193):314–21.
- Eming SA, Martin P, Tomic-Canic M. Wound repair and regeneration: mechanisms, signaling, and translation. Sci Transl Med. 2014;6(265):265sr6.
- Guo S, DiPietro LA. Factors affecting wound healing. J Dent Res. 2010;89(3):219–29.
- Sorg H, Tilkorn DJ, Hager S, Hauser J, Mirastschijski U. Skin wound healing: an update on the current knowledge and concepts. Eur Surg Res. 2017;58(1–2):81–94.
- Politis C, Schoenaers J, Jacobs R, Agbaje JO. Wound healing problems in the mouth. Front Physiol. 2016;7:507.
- Gauglitz GG, Korting HC, Pavicic T, Ruzicka T, Jeschke MG. Hypertrophic scarring and keloids: pathomechanisms and current and emerging treatment strategies. Mol Med. 2011;17(1–2):113–25.
- Larjava H, editor. Oral Wound Healing: Cell Biology and Clinical Management. Oxford: Wiley Blackwell; 2012.

Chapter 8 — Surgical Infections and Antibiotic Principles

8.1 Types of surgical infections · 8.2 Principles of pus and abscess management · 8.3 Surgical site infections · 8.4 Antibiotic principles (surgical angle)

Core texts: [1] Chs. 5 (Surgical infection), 6 (Tropical infections and infestations), 15 · [2] Chs. on surgical infections and abscess · [15] Ch. on inflammation and repair · [9] Ch. 5 and Ch. 16 (Principles of Management and Prevention of Odontogenic Infections) · [20] · [21] · [22] · [23] · [24] · [25]

Additional

- Stevens DL, Bisno AL, Chambers HF, Dellinger EP, Goldstein EJ, Gorbach SL, et al. Practice guidelines for the diagnosis and management of skin and soft tissue infections: 2014 update by the Infectious Diseases Society of America. Clin Infect Dis. 2014;59(2):e10–52.
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- Flynn TR, Shanti RM, Levi MH, Adamo AK, Kraut RA, Trieger N. Severe odontogenic infections, part 1: prospective report. J Oral Maxillofac Surg. 2006;64(7):1093–103.
- National Institute for Health and Care Excellence. Prophylaxis against infective endocarditis. Clinical guideline CG64. London: NICE. Available from: https://www.nice.org.uk/guidance/cg64
- Wilson WR, Gewitz M, Lockhart PB, Bolger AF, DeSimone DC, Kazi DS, et al. Prevention of viridans group streptococcal infective endocarditis: a scientific statement from the American Heart Association. Circulation. 2021;143(20):e963–78.

Chapter 9 — Inflammation, Swelling, and Surgical Pathology Basics

9.1 Surgical inflammation concepts · 9.2 Oedema and swelling differential · 9.3 Lymphadenopathy assessment

Core texts: [1] Chs. 1 (Metabolic response to injury), 5, 11 (Tissue and molecular diagnosis), 52 (The pharynx, larynx and neck) · [2] Chs. on inflammation, swellings and cervical lymphadenopathy · [15] Ch. on inflammation and repair · [16] Chs. on acute and chronic inflammation · [17] · [5] Chs. on the examination of a lump and of lymph nodes

Additional

- Medzhitov R. Origin and physiological roles of inflammation. Nature. 2008;454(7203):428–35.
- Serhan CN, Savill J. Resolution of inflammation: the beginning programs the end. Nat Immunol. 2005;6(12):1191–7.
- Gaddey HL, Riegel AM. Unexplained lymphadenopathy: evaluation and differential diagnosis. Am Fam Physician. 2016;94(11):896–903.
- Trayes KP, Studdiford JS, Pickle S, Tully AS. Edema: diagnosis and management. Am Fam Physician. 2013;88(2):102–10.
- Scully C, Langdon J, Evans J. Marathon of eponyms: swellings of the head and neck. Oral Dis. 2010;16(2):212–3.
- 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

Chapter 10 — Burns, Fluid Loss, and Basic Trauma Care (Intro)

10.1 Burns (awareness) · 10.2 Trauma basics (initial assessment) · 10.3 Soft tissue injuries

Core texts: [1] Chs. 26 (Introduction to trauma), 27 (Early assessment and management of severe trauma), 31 (Maxillofacial trauma), 32 (Extremity trauma), 45, 46 (Burns) · [2] Chs. on burns and trauma · [3] Chs. on burns and trauma · [10] Chs. on maxillofacial trauma · [28]

Additional

- Jeschke MG, van Baar ME, Choudhry MA, Chung KK, Gibran NS, Logsetty S. Burn injury. Nat Rev Dis Primers. 2020;6(1):11.
- Hettiaratchy S, Dziewulski P. ABC of burns: pathophysiology and types of burns. BMJ. 2004;328(7453):1427–9.
- Hettiaratchy S, Papini R. ABC of burns: initial management of a major burn: II — assessment and resuscitation. BMJ. 2004;329(7457):101–3.

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- Baxter CR, Shires T. Physiological response to crystalloid resuscitation of severe burns. Ann N Y Acad Sci. 1968;150(3):874–94.
- Jackson DM. The diagnosis of the depth of burning. Br J Surg. 1953;40(164):588–96.
- Teasdale G, Jennett B. Assessment of coma and impaired consciousness: a practical scale. Lancet. 1974;2(7872):81–4.
- National Institute for Health and Care Excellence. Head injury: assessment and early management. NICE guideline NG232. London: NICE. Available from: https://www.nice.org.uk/guidance/ng232
- National Network for Burn Care. National Burn Care Referral Guidance. London: NNBC. Available from: https://www.britishburnassociation.org

Chapter 11 — Principles of Suturing and Wound Dressing

11.1 Suture techniques · 11.2 Knot tying principles · 11.3 Dressings and bandages · 11.4 Post-operative wound care

Core texts: [1] Chs. 3, 7 (Basic surgical skills), 47 · [6] Chs. on knots, sutures and wound closure · [9] Chs. 3, 4 and 11 (Postextraction Patient Management) · [11] Chs. on suturing in oral surgery · [2] Chs. on wounds and operative surgery · [21]

Additional

- Kudur MH, Pai SB, Sripathi H, Prabhu S. Sutures and suturing techniques in skin closure. Indian J Dermatol Venereol Leprol. 2009;75(4):425–34.
- Dumville JC, Gray TA, Walter CJ, Sharp CA, Page T, Macefield R, et al. Dressings for the prevention of surgical site infection. Cochrane Database Syst Rev. 2016;(12):CD003091.
- Toon CD, Sinha S, Davidson BR, Gurusamy KS. Early versus delayed post-operative bathing or showering to prevent wound complications. Cochrane Database Syst Rev. 2015;(7):CD010075.
- Norman G, Dumville JC, Mohapatra DP, Owens GL, Crosbie EJ. Antibiotics and antiseptics for surgical wounds healing by secondary intention. Cochrane Database Syst Rev. 2016;(3):CD011712.
- Silverstein LH, Kurtzman GM. A review of dental suturing for optimal soft-tissue management. Compend Contin Educ Dent. 2005;26(3):163–6.
- Leknes KN, Røynstrand IT, Selvig KA. Human gingival tissue reactions to silk and expanded polytetrafluoroethylene sutures. J Periodontol. 2005;76(1):34–42.

Chapter 12 — Surgical Management of Common Conditions (Awareness Level)

12.1 Hernia · 12.2 Appendicitis · 12.3 Gallbladder disease · 12.4 Intestinal obstruction

Core texts: [1] Chs. 63 (History and examination of the abdomen), 64 (The abdominal wall, hernia and umbilicus), 71 (The gallbladder and bile ducts), 76 (The vermiform appendix), 78 (Intestinal obstruction) · [2] Chs. on hernia, appendix, gallbladder and intestinal obstruction · [3] and [4] corresponding abdominal chapters · [5] Chs. on abdominal examination and abdominal swellings

Additional

- HerniaSurge Group. International guidelines for groin hernia management. Hernia. 2018;22(1):1–165.
- Di Saverio S, Podda M, De Simone B, Ceresoli M, Augustin G, Gori A, et al. Diagnosis and treatment of acute appendicitis: 2020 update of the WSES Jerusalem guidelines. World J Emerg Surg. 2020;15(1):27.
- Alvarado A. A practical score for the early diagnosis of acute appendicitis. Ann Emerg Med. 1986;15(5):557–64.
- Pisano M, Allievi N, Gurusamy K, Borzellino G, Cimbanassi S, Boerna D, et al. 2020 World Society of Emergency Surgery updated guidelines for the diagnosis and treatment of acute calculus cholecystitis. World J Emerg Surg. 2020;15(1):61.
- Yokoe M, Hata J, Takada T, Strasberg SM, Asbun HJ, Wakabayashi G, et al. Tokyo Guidelines 2018: diagnostic criteria and severity grading of acute cholecystitis. J Hepatobiliary Pancreat Sci. 2018;25(1):41–54.

- Ten Broek RPG, Krielen P, Di Saverio S, Coccolini F, Biffl WL, Ansaloni L, et al. Bologna guidelines for diagnosis and management of adhesive small bowel obstruction (ASBO): 2017 update of the evidence-based guidelines from the World Society of Emergency Surgery ASBO working group. World J Emerg Surg. 2018;13:24.

Chapter 13 — Basics of Tumors and Oncology (Intro)

13.1 Tumour terminology · 13.2 Staging principles · 13.3 Biopsy principles

Core texts: [1] Chs. 11 (Tissue and molecular diagnosis), 12 (Principles of oncology), 53 (Oral cavity cancer) · [2] Ch. on neoplasia and adjuvant therapy · [15] Ch. on neoplasia · [16] Ch. on neoplasia · [39] · [40] · [41]

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Chapter 14 — Surgical Emergencies and Red Flags (Dental-Relevant)

14.1 Acute abdomen red flags · 14.2 Sepsis awareness · 14.3 Anaphylaxis and airway compromise · 14.4 Bleeding emergencies

Core texts: [1] Chs. 2 (Shock, haemorrhage and transfusion), 5, 27, 63 · [2] Chs. on acute abdomen, shock and emergencies · [13] Chs. on unconsciousness, respiratory distress and drug-related emergencies · [9] Ch. 2 (Prevention and Management of Medical Emergencies) · [29] · [30] · [31] · [32] · [33] · [38]

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Chapter 15 — Principles of Referral and Interprofessional Communication

15.1 When to refer urgently · 15.2 Writing a referral note

Core texts: [1] Chs. 14 (Ethics and law in surgical practice), 15 (Human factors, patient safety and quality improvement), 16 · [9] Chs. 2, 12 (Medicolegal Considerations) and 16 · [13] Chs. on preparation and recognition of emergencies · [31] · [41] · [42] · [43]

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