



2019 Core Surgery Module: All References

Below you will find the topics and their accompanying references for the Core Surgery module of the General Surgery Continuous Certification Assessment. References that are available open source are indicated with a green star ★ and the entire citation is a link. References that are not available open access have a link in their PubMed ID to the abstract.

Diplomates are neither required nor expected to read all of these references before or during the completion of the assessment.

Coagulopathy

- ★ [Wahlen BM, et al. World Academic Council of Emergency Medicine Experience Document: Implementation of point-of-care thromboelastography at an academic emergency and trauma center. *J Emerg Trauma Shock*. 2018 Oct-Dec;11\(4\):265-270. \[PMID: 30568368\]](#)
- ★ [Gonzalez E, et al. Goal-directed hemostatic resuscitation of trauma-induced coagulopathy: a pragmatic randomized clinical trial comparing a viscoelastic assay to conventional coagulation assays. *Ann Surg*. 2016 Jun;263\(6\):1051-9. \[PMID 26720428\]](#)
- ★ [Moore HB, et al. Targeting resuscitation to normalization of coagulating status: hyper and hypocoagulability after severe injury are both associated with increased mortality. *Am J Surg*. 2017 Dec;214\(6\):1041-1045. \[PMID 28969894\]](#)

Furay E, et al. Goal-directed platelet transfusions correct platelet dysfunction and may improve survival in patients with severe traumatic brain injury. *J Trauma Acute Care Surg*. 2018 Nov;85(5):881-887. [[PMID: 30124626](#)]

[American College of Surgeons: ACS TQIP Massive Transfusion in Trauma Guidelines](#)

Ethical Issues in Surgery: End of Life

Lilley EJ, et al. Palliative care interventions for surgical patients: a systematic review. *JAMA Surg*. 2016 Feb;151(2):172-83. [[PMID: 26606747](#)]

Evans BA, Turner MC, Gloria JN, et al. Palliative care consultation is underutilized in critically ill general surgery patients. *Am J Hosp Palliat Care*. 2019 Jul 17. Epub ahead of print. [[PMID: 31315425](#)]

Fahy BN. Introduction: role of palliative care for the surgical patient. *J Surg Oncol*. 2019 Jul;120(1):5-9. [[PMID: 30919950](#)]

Ballou JH, Brasel KJ. Palliative care and geriatric surgery. *Clin Geriatr Med*. 2019 Feb;35(1):35-44. [[PMID: 30390982](#)]



2019 Core Surgery Module: All References

Hypocalcemia and Hypercalcemia

- ★ [Mirrakhimov AE. Hypercalcemia of malignancy: an update on pathogenesis and management. *North Am J Med Sci.* 2015;7\(11\):483-493. \[PMID 26713296\]](#)
- ★ [Walsh J, Gittoes N, Selby P. Society for Endocrinology Endocrine Emergency Guidance: emergency management of acute hypercalcemia in adult patients. *Endocr Connect.* 2016;5\(5\):G9-G11. \[PMID 27935816\]](#)
- ★ [Eismontas V, et al. Predictors of postoperative hypocalcemia occurring after a total thyroidectomy: results of prospective multicenter study. *BMC Surg.* 2018 Aug 9;18\(1\):55. \[PMID: 30092793\]](#)

Orloff LA, et al. American Thyroid Association statement on postoperative hypoparathyroidism: diagnosis, prevention, and management in adults. *Thyroid.* 2018 Jul;28(7):830-841. [[PMID: 29848235](#)]

Hypokalemia and Hyperkalemia

Rossignol P, et al. Emergency management of severe hyperkalemia: guideline for best practice and opportunities for the future. *Pharmacol Res.* 2016 Nov;113(Pt A):585-591. [[PMID: 27693804](#)]

Pain Management

Brinck EC, et al. Perioperative intravenous ketamine for acute postoperative pain in adults. *Cochrane Database Syst Rev.* 2018 Dec 20;12:CD012033. [[PMID: 30570761](#)]

- ★ [García-Henares JF, et al. Effects of Ketamine on Postoperative Pain After Remifentanyl-Based Anesthesia for Major and Minor Surgery in Adults: A Systematic Review and Meta-Analysis. *Front Pharmacol.* 2018 Aug 17; 9:921. \[PMID: 30174603\]](#)

Lenz G, et al. Availability of treatment and diagnostic labelling. *Psychopathology.* 1989;22(2-3):161-7. [[PMID 2762475](#)]

Hill MV, et al. Guideline for Discharge Opioid Prescriptions after Inpatient General Surgical Procedures. *J Am Coll Surg.* 2018 Jun;226(6):996-1003. [[PMID: 29198638](#)]

- ★ [Chou R, et al. Management of postoperative pain, a clinical practice guideline from the American Pain Society, the American Society of Regional Anesthesia and Pain Medicine, and the American Society of Anesthesiologists' Committee on Regional Anesthesia, Executive Committee, and Administrative Council. *J Pain.* 2016 Feb;17\(2\):131-157. \[PMID: 26827847\]](#)

Perioperative Management of the Therapeutically Anticoagulated Patient

- ★ [Van der Wall SJ, et al. Idarucizumab for dabigatran reversal in the management of patients with gastrointestinal bleeding. *Circulation.* 2019 Feb 5;139\(6\):748-756. \[PMID: 30586692\]](#)



2019 Core Surgery Module: All References

Verma A, et al. What surgeons should know about non-vitamin K oral anticoagulants: a review. *JAMA Surg.* 2018 Jun 1;153(6):577-585. [[PMID: 29710221](#)]

Postoperative Atrial Fibrillation

[American Heart Association. 2015 American Heart Association Guidelines Update for CPR and ECC.](#)

Danelich IM, et al. Practical management of postoperative atrial fibrillation after noncardiac surgery. *J Am Coll Surg.* 2014 Oct;219(4):831-841. [[PMID: 25127508](#)]

Preoperative Evaluation of Geriatric Patients

★ [Makhani SS, et al. Cognitive impairment and overall survival in frail surgical patients. *J Am Coll Surg.* 2017 Nov;225\(5\):590-600.e1.](#) [PMID: 28826805]

Park KU, et al. Prolonged length of stay after esophageal resection: identifying drivers of increased length of stay using the NSQIP database. *J Am Coll Surg.* 2016 Aug;223(2):286-90. [[PMID: 27118713](#)]

Hall DE, et al. Association of a frailty screening initiative with postoperative survival at 30, 180, and 365 days. *JAMA Surg.* 2017 Mar 1;152(3):233-240. [[PMID: 27902826](#)]

★ [Makary MA, et al. Frailty as a predictor of surgical outcomes in older patients. *J Am Coll Surg.* 2010 Jun;210\(6\):901-8.](#) [PMID: 20510798]

★ [Robinson TN, et al. Simple frailty score predicts postoperative complications across surgical specialties. *Am J Surg.* 2013 Oct;206\(4\):544-50.](#) [PMID: 23880071]

Prevention of Surgical Site Infections

★ [Berríos-Torres SI, Umscheid CA, Bratzler DW, et al. Centers for Disease Control and Prevention guideline for the prevention of surgical site infection, 2017. *JAMA Surg.* 2017;152\(8\):784-791.](#) [PMID 28467526]

★ [Ramos M, Khalpey Z, Lipsitz S, et al. Relationship of perioperative hyperglycemia and postoperative infections in patients who undergo general and vascular surgery. *Ann Surg.* 2008;248\(4\):585-591.](#) [PMID 18936571]

Professionalism and Medical Errors

★ [Angelos P. Complications, errors, and surgical ethics. *World J Surg.* 2009 Apr;33\(4\):609-11.](#) [PMID:19225839]

Kachalia A, et al. Effects Of A Communication-And-Resolution Program On Hospitals' Malpractice Claims And Costs. *Health Aff (Millwood).* 2018 Nov;37(11):1836-1844. [[PMID: 30395501](#)]



2019 Core Surgery Module: All References

[AHRQ Patient Safety Network. Patient Safety Primer: Disclosure of Errors.](#)

[AHRQ Communication and Optimal Resolution \(CANDOR\) Toolkit.](#)

Safe Clinical Practice

Cook D, Guyatt G. Prophylaxis against upper gastrointestinal bleeding in hospitalized patients. *N Engl J Med.* 2018 Jun 28;378(26):2506-2516. [[PMID: 29949497](#)]

- ★ [FDA Drug Safety Communication: Clostridium difficile associated diarrhea can be associated with stomach acid drugs known as proton pump inhibitors \(PPIs\)](#)

Screening and Biomarkers

- ★ [Axley et al. Hepatitis C virus and hepatocellular carcinoma: a narrative review. *J Clin Transl Hepatol.* 2018 Mar 28;6\(1\):79-84. \[PMID: 29607308\]](#)

Sanford DE, Goedegebuure SP, Eberlein TJ. Tumor biology and tumor markers. In: Townsend CM, et al., ed. *Sabiston Textbook of Surgery, 20th ed.* Philadelphia, PA; 2017:677-704.

Septic Shock

- ★ [Holst LB, Haase N, et al. Lower versus higher hemoglobin threshold for transfusion in septic shock. *N Engl J Med.* 2014;371\(15\):1381-1391. \[PMID: 25270275\]](#)
- ★ [Rhodes A, Evans LE, et al. Surviving sepsis campaign: international guidelines for management of sepsis and septic shock: 2016. *Intensive Care Med.* 2017;43\(3\):304-377. \[PMID 28101605\]](#)
- ★ [Yealy DM, Kellum JA, Huang DT, et al. A randomized trial of protocol-based care for early septic shock. *N Engl J Med.* 2014;370\(18\):1683-1693. \[PMID 24635773\]](#)

Surgical Outcomes and Quality Improvement

Berian JR, et al. Adherence to enhanced recovery protocols in NSQIP and association with colectomy outcomes. *Ann Surg.* 2019 Mar;269(3):486-493. [[PMID: 29064887](#)]

- ★ [Carmichael JC, et al. Clinical practice guideline for enhanced recovery after colon and rectal surgery from the American Society of Colon and Rectal Surgeons \(ASCRS\) and Society of American Gastrointestinal and Endoscopic Surgeons \(SAGES\). *Surg Endosc.* 2017 Sep;31\(9\):3412-3436. \[PMID: 28776285\]](#)

Transfusions

Motameni AT, et al. The use of ABC score in activation of massive transfusion: The yin and the yang. *J Trauma Acute Care Surg.* 2018 Aug;85(2):298-302. [[PMID: 30080779](#)]

Cannon, JW. Hemorrhagic shock. *N Engl J Med.* 2018 Jan 25;378(4):370-379. [[PMID: 29365303](#)]



2019 Core Surgery Module: All References

Venous Thromboembolism Prophylaxis

- ★ [Guyatt GH, et al. Executive summary: antithrombotic therapy and prevention of thrombosis, 9th ed.: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines. *Chest*. 2012 Feb;141\(suppl 2\):7S-47S. \[PMID: 22315257\]](#)

Wound Healing

- ★ [Dumville JC, et al. Negative wound pressure therapy for treating pressure ulcers. *Cochrane Database Syst Rev*. 2015 May 20;\(5\):CD011334. \[PMID: 25992684\]](#)
- ★ Gould L, et al. Wound Healing Society 2015 update on guidelines for pressure ulcers. *Wound Repair Regen*. 2016 Jan-Feb;24(1):145-62. [PMID: 26683529]