



2025 Surgical Critical Care

All References



Below you will find the topics and their accompanying references for the 2025 Surgical Critical Care Continuous Certification Assessment. **Diplomates are neither required nor expected to read all of these references before or during the completion of the assessment.** The key references are marked with a yellow star ★ below.

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Acute Kidney Injury

- [Naorungroj T, Neto AS, Yanase F, et al. Time to initiation of renal replacement therapy among critically ill patients with acute kidney injury: a current systematic review and meta-analysis. *Crit Care Med.* 2021;49\(8\):e781-e792. doi:10.1097/CCM.0000000000005018](#)
- ★ [STARTR-AKI Investigators; Canadian Critical Care Trials Group; Australian and New Zealand Intensive Care Society Clinical Trials Group, et al. Timing of initiation of renal-replacement therapy in acute kidney injury \[published correction appears in *N Engl J Med.* 2020 Jul 30;383\(5\):502. doi: 10.1056/NEJMx200016\]. *N Engl J Med.* 2020;383\(3\):240-251. doi:10.1056/NEJMoa2000741](#)

Acute Respiratory Distress Syndrome

- ★ [Chaudhuri D, Nei AM, Rochweg B, et al. 2024 Focused Update: Guidelines on use of corticosteroids in sepsis, acute respiratory distress syndrome, and community-acquired pneumonia. *Crit Care Med.* 2024;52\(5\):e219-e233. doi:10.1097/CCM.0000000000006172](#)

Adrenal Insufficiency

- [Annane D, Renault A, Brun-Buisson C, et al. Hydrocortisone plus fludrocortisone for adults with septic shock. *N Engl J Med.* 2018;378\(9\):809-818. doi:10.1056/NEJMoa1705716](#)
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- [Evans L, Rhodes A, Alhazzani W, et al. Surviving sepsis campaign: international guidelines for management of sepsis and septic shock 2021. Intensive Care Med. 2021;47\(11\):1181-1247. doi:10.1007/s00134-021-06506-y](#)
- [Teja B, Berube M, Pereira TV, et al. Effectiveness of fludrocortisone plus hydrocortisone versus hydrocortisone alone in septic shock: a systematic review and network meta-analysis of randomized controlled trials. Am J Respir Crit Care Med. 2024;209\(10\):1219-1228. doi:10.1164/rccm.202310-1785OC](#)

Analgesia

- ★ [Karamchandani K, Carr ZJ, Bonavia A, Tung A. Critical care pain management in patients affected by the opioid epidemic: a review. Ann Am Thorac Soc. 2018;15\(9\):1016-1023. doi:10.1513/AnnalsATS.201801-028FR](#)

Anticoagulation and Reversal

- ★ [Alvikas J, Myers SP, Wessel CB, et al. A systematic review and meta-analysis of traumatic intracranial hemorrhage in patients taking prehospital antiplatelet therapy: is there a role for platelet transfusions?. J Trauma Acute Care Surg. 2020;88\(6\):847-854. doi:10.1097/TA.0000000000002640](#)
- [Glass NE, Riccardi J, Horng H, Kacprzynski G, Sifri Z. Platelet dysfunction in patients with traumatic intracranial hemorrhage: do desmopressin and platelet therapy help or harm?. Am J Surg. 2022;223\(1\):131-136. doi:10.1016/j.amjsurg.2021.07.050](#)

Antimicrobials

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Cardiac Arrest

- ★ [Rajajee V, Muehlschlegel S, Wartenberg KE, et al. Guidelines for neuroprognostication in comatose adult survivors of cardiac arrest. *Neurocrit Care*. 2023;38\(3\):533-563. doi:10.1007/s12028-023-01688-3](#)

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- ★ [Jung C, Bruno RR, Jumeau M, et al. Management of cardiogenic shock: state-of-the-art. *Intensive Care Med*. 2024;50\(11\):1814-1829. doi:10.1007/s00134-024-07618-x](#)

Coagulopathy and Fibrinolysis

- ★ [Mazzei M, Donohue JK, Schreiber M, et al. Prehospital tranexamic acid is associated with a survival benefit without an increase in complications: results of two harmonized randomized clinical trials. *J Trauma Acute Care Surg*. 2024;97\(5\):697-702. doi:10.1097/TA.0000000000004315](#)

Delirium

- ★ [Andersen-Ranberg NC, Poulsen LM, Perner A, et al. Haloperidol for the treatment of delirium in ICU patients. *N Engl J Med*. 2022;387\(26\):2425-2435. doi:10.1056/NEJMoa2211868](#)
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Endpoints of Resuscitation

- ★ [Croft CA, Lorenzo M, Coimbra R, et al. Western Trauma Association critical decisions in trauma: Damage-control resuscitation. *J Trauma Acute Care Surg*. 2025;98\(2\):271-276. doi:10.1097/TA.0000000000004466](#)



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Glucose Management

- ★ [Honarmand K, Sirimatueros M, Hirshberg EL, et al. Society of Critical Care Medicine guidelines on glycemic control for critically ill children and adults 2024. *Crit Care Med*. 2024;52\(4\):e161-e181. doi:10.1097/CCM.00000000000006174](#)

Health Equity/Disparities

- ★ [Collins C, Bongiovanni T. Disparities in access, management and outcomes of critically ill adult patients with trauma. *Crit Care Clin*. 2024;40\(4\):659-670. doi:10.1016/j.ccc.2024.05.003](#)

Hemothorax

- ★ [Beyer CA, McLauchlan NR, Cannon JW. Thoracic lavage for traumatic hemothorax. *JAMA Surg*. 2024;159\(5\):584-585. doi:10.1001/jamasurg.2023.3822](#)

Hypertensive Emergencies

- ★ [Bress AP, Anderson TS, Flack JM, et al. The management of elevated blood pressure in the acute care setting: a scientific statement from the American Heart Association. *Hypertension*. 2024;81\(8\):e94-e106. doi:10.1161/HYP.0000000000000238](#)

Inhalation Injury

- ★ [Deutsch CJ, Tan A, Smailes S, Dziewulski P. The diagnosis and management of inhalation injury: an evidence based approach. *Burns*. 2018;44\(5\):1040-1051. doi:10.1016/j.burns.2017.11.013](#)
- [Walker PF, Buehner MF, Wood LA, et al. Diagnosis and management of inhalation injury: an updated review. *Crit Care*. 2015;19:351. doi:10.1186/s13054-015-1077-4](#)

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Inotropic and Vasopressor Therapy

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Metabolic, Endocrinologic, and Nutritional Effects of Surgical Illness

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Organ Donation

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Pharmacokinetics

- [Callcut RA, Hanseman DJ, Solan PD, et al. Early treatment of blunt cerebrovascular injury with concomitant hemorrhagic neurologic injury is safe and effective. *J Trauma Acute Care Surg*. 2012;72\(2\):338-346. doi:10.1097/TA.0b013e318243d978](#)
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Postpartum Hemorrhage

- [Vaught AJ. Critical care for the obstetrician and gynecologist: obstetric hemorrhage and disseminated intravascular coagulopathy. *Obstet Gynecol Clin North Am*. 2016;43\(4\):611-622. doi:10.1016/j.ogc.2016.07.006](#)
- ★ [WOMAN Trial Collaborators. Effect of early tranexamic acid administration on mortality, hysterectomy, and other morbidities in women with post-partum haemorrhage \(WOMAN\): an international, randomised, double-blind, placebo-controlled trial. *Lancet*. 2017 May 27;389\(10084\):2105-2116. doi: 10.1016/S0140-6736\(17\)30638-4. Epub 2017 Apr 26. Erratum in: *Lancet*. 2017 May 27;389\(10084\):2104. doi: 10.1016/S0140-6736\(17\)31220-5.](#)

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Principles of Hemorrhage Control



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Principles of Nutritional Support

- ★ [Reintam Blaser A, Rooyackers O, Bear DE. How to avoid harm with feeding critically ill patients: a synthesis of viewpoints of a basic scientist, dietitian and intensivist. *Crit Care.* 2023;27\(1\):258. doi:10.1186/s13054-023-04543-1](#)

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Resuscitation in Pediatric Shock

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Sepsis and Septic Shock



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SIADH and Cerebral Salt Wasting

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Stress Ulcer Prophylaxis

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Venous Disease (including DVT)

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