



# 2019 Surgical Critical Care: Key References

Below you will find the topics and a selection of key accompanying references for the Surgical Critical Care 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.**

To view all references, see [this page](#) of the ABS website.

## Abdominal Compartment Syndrome

- ★ [Kirkpatrick AW, Roberts DJ, De Waele J, et al. Intra-abdominal hypertension and the abdominal compartment syndrome: updated consensus definitions and clinical practice guidelines from the World Society of the Abdominal Compartment Syndrome. \*Intensive Care Med.\* 2013; 39:1190-1206. \[PMID: 23673399\]](#)
- ★ [van Hensbroek PB, Wind J, Dijkgraaf MGW, et al. Temporary closure of the open abdomen: a systematic review on delayed primary fascial closure in patients with an open abdomen. \*World J Surg.\* 2009;33\(2\):199-207. \[PMID: 19089494\]](#)

## Abdominal Trauma

- ★ [Coccolini F, Montori G, Catena F, et al. Splenic trauma: WSES classification and guidelines for adult and pediatric patients. \*World J Emerg Surg.\* 2017 Aug 18;12:40. \[PMID 28828034\]](#)

## Airway Management

Freeman BD. Tracheostomy Update: When and How. *Crit Care Clin.* 2017 Apr;33(2):311-322. [PMID: 28284297]

## Antimicrobials

McDaniel J, Schweizer M, Crabb V, et al. Incidence of Extended-Spectrum  $\beta$ -Lactamase (ESBL)-Producing Escherichia coli and Klebsiella Infections in the United States: A Systematic Literature Review. *Infect Control Hosp Epidemiol.* 2017;38(10):1209-1215. [PMID: 28758612]

## Cardiac Arrest

- ★ [Callaway CW, Donnino MW, et al. Part 8: post-cardiac arrest care: 2015 American Heart Association guidelines update for cardiopulmonary resuscitation and emergency cardiovascular care. \*Circulation.\* 2015;132\(18 Suppl 2\): S465-482. \[PMID: 26472996\]](#)

## Cardiogenic Shock

- ★ [Pozzi M, et al. Veno-arterial extracorporeal membrane oxygenation for cardiogenic shock due to myocarditis in adult patients. \*J Thorac Dis.\* 2016 Jul;8\(7\):E495-502. Review. \[PMID: 27499982\]](#)



# 2019 Surgical Critical Care: Key References

- ★ [van Diepen S, et al. Contemporary management of cardiogenic shock: a scientific statement from the American Heart Association. \*Circulation\*. 2017;136: e232-e268. \[PMID: 28923988\]](#)

## Chest Trauma

- ★ [Brasel KJ, Moore EE, Albrecht RA, et al. Western Trauma Association critical decisions in trauma: management of rib fractures. \*J Trauma Acute Care Surg\*. 2017;82\(1\):200-203. \[PMID: 27779590\]](#)

## Cost Control in the ICU

- ★ [Reardon PM, Fernando SM, Van Katwyk S, et al. Characteristics, outcomes, and cost patterns of high-cost patients in the intensive care unit. \*Crit Care Res Pract\*. 2018; 2018:5452683. \[PMID: 30245873\]](#)

## Delirium

- ★ [Devlin JW, Skrobik Y, Gélinas C, et al. Clinical practice guidelines for the prevention and management of pain, agitation/sedation, delirium, immobility, and sleep disruption in adult patients in the ICU. \*Crit Care Med\*. 2018;46\(9\):e825-e873. \[PMID 30113379\]](#)

## End of Life Care

- ★ [Taylor LJ, Nabozny MJ, Steffens NM, et al. A framework to improve surgeon communication in high-stakes surgical decisions: best case/worst case. \*JAMA Surg\*. 2017;152\(6\):531-538. \[PMID: 28146230\]](#)

## Gastrointestinal Bleeding, Upper

- ★ [Huang H-B, Jiang W, Wang C-Y, et al. Stress ulcer prophylaxis in intensive care unit patients receiving enteral nutrition: a systematic review and meta-analysis. \*Crit Care \(London, England\)\*. 2018;22\(1\):20. \[PMID: 29374489\]](#)

## Head and Spinal Cord Injury

- ★ [Ley E, et al. Beta blockers in critically ill patients with traumatic brain injury: Results from a multicenter, prospective, observational American Association for the Surgery of Trauma study. \*J Trauma Acute Care Surg\*. 2018 Feb;84\(2\):234-244. \[PMID: 29251711\]](#)

## Hemodynamic Monitoring, Noninvasive

Koenig SJ, et al. Thoracic ultrasonography for the pulmonary specialist. *Chest*. 2011 Nov;140(5):1332-1341. [PMID: 22045878]

## Hepatic Failure

Mohsenin V. Assessment and management of cerebral edema and intracranial hypertension in acute liver failure. *J Crit Care*. 2013;28(5):783-791. [PMID: 23683564]



# 2019 Surgical Critical Care: Key References

## Hypovolemic Shock

- ★ [Sperry JL, Guyette FX, Brown JB, et al. Prehospital plasma during air medical transport in trauma patients at risk for hemorrhagic shock. \*N Engl J Med.\* 2018;379\(4\):315-326. \[PMID: 30044935\]](#)

Cannon JW. Hemorrhagic shock. *N Engl J Med.* 2018;378(19):1852-1853. [[PMID: 29742379](#)]

## Infections

- ★ [Goldenberg JZ, Yap C, Lytvyn L, et al. Probiotics for the prevention of Clostridium difficile-associated diarrhea in adults and children. \*The Cochrane Database of Systematic Reviews.\* 2017\(12\):CD006095. \[PMID: 29257353\]](#)

- ★ [Miura F, et al. Tokyo guidelines 2018: initial management of acute biliary infection and flowchart for acute cholangitis. \*J Hepatobiliary Pancreat Sci.\* 2018;25\(1\):31-40. \[PMID: 28941329\]](#)

- ★ [Bonne SL, Kadri, SS. Evaluation and Management of Necrotizing Soft Tissue Infections. \*Infect Dis Clin North Am.\* 2017; 31\(3\):497-511. \[PMID: 28779832\]](#)

## Mechanical Ventilation

- ★ [Writing Group for the PReVENT Investigators. Effect of a low vs intermediate tidal volume strategy on ventilator-free days in intensive care unit patients without ARDS: a randomized clinical trial. \*JAMA.\* 2018 Nov 13;320\(18\):1872-1880. \[PMID: 30357256\]](#)

## Nutritional Therapy

- ★ [Casaer MP, et al. Early versus late parenteral nutrition in critically ill adults. \*N Engl J Med.\* 2011 Aug 11;365\(6\):506-17. \[PMID: 21714640\]](#)

- ★ [McClave SA, Taylor BR, Martindale RG, et al. Guidelines for the provision and assessment of nutrition support therapy in the adult critically ill patient: SCCM and ASPEN. \*JPEN.\* 2016;40\(2\):159-211. \[PMID: 26773077\]](#)

## Pain Management and Sedation

Devlin JW, Gélinas C, et al. Executive summary: clinical practice guidelines for the prevention and management of pain, agitation/sedation, delirium, immobility, and sleep disruption in adult patients in the ICU. *Crit Care Med.* 2018 Sep;46(9):1532-1548. [[PMID: 30113371](#)]

## Palliative Care

- ★ [Rodriguez R, Marr L, Rajput A, et al. Utilization of palliative care consultation service by surgical services. \*Ann Palliat Med.\* 2015;4\(4\):194-199. \[PMID: 26541398\]](#)



# 2019 Surgical Critical Care: Key References

## Penetrating Trauma

DuBose J, et al. Management of post-traumatic retained hemothorax: a prospective, observational, multicenter AAST study. *J Trauma Acute Care Surg.* 2012 Jan;72(1):11-22; discussion 22-4; quiz 316. [[PMID: 22310111](#)]

## Pneumonia

Mandell LA, Niederman MS. Aspiration pneumonia. *N Engl J Med.* 2019;380(7):651-663. [[PMID: 30763196](#)]

- ★ [Kalil AC, et al: Management of Adults With Hospital-acquired and Ventilator-associated Pneumonia: 2016 Clinical Practice Guidelines by the Infectious Diseases Society of America and the American Thoracic Society. \*Clin Infect Dis.\* 2016 Sep 1;63\(5\):e61-e111. \[PMID: 27418577\]](#)

## Pulmonary Embolism

Kearon C, Akl EA, Ornelas J, et al. Antithrombotic therapy for VTE disease: CHEST Guideline and Expert Panel Report. *Chest.* 2016;149(2):315-352. [[PMID: 26867832](#)]

## Priorities in Multi-System Trauma

Juern JS, et al. Clinical significance of computed tomography contrast extravasation in blunt trauma patients with a pelvic fracture. *J Trauma Acute Care Surg.* 2017 Jan;82(1):138-140. [[PMID: 27779598](#)]

## Renal Failure

Barbar SD, Dargent A, Quenot J-P. Timing of renal replacement therapy in acute kidney injury and sepsis. *N Engl J Med.* 2019 Jan 24;380(4):399. [[PMID: 30673539](#)]

## Respiratory Failure, Acute

Howell MD, Davis AM. Management of ARDS in adults. *JAMA.* 2018 Feb 20;319(7):711-712. [[PMID: 29466577](#)]

- ★ [Xu X-P, Zhang X-C, Hu S-L, et al. Noninvasive ventilation in acute hypoxemic nonhypercapnic respiratory failure: a systematic review and meta-analysis. \*Crit Care Med.\* 2017 Jul;45\(7\):e727-e733. \[PMID: 28441237\]](#)

## Septic Shock

- ★ [Cecconi M, et al. Consensus on circulatory shock and hemodynamic monitoring. Task force of the European Society of Intensive Care Medicine. \*Intensive Care Med.\* 2014 Dec;40\(12\):1795-815. \[PMID: 25392034\]](#)
- ★ [Rhodes A, et al. Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock: 2016. \*Intensive Care Med.\* 2017;43\(3\):304-377. \[PMID: 28101605\]](#)



## 2019 Surgical Critical Care: Key References

### Serum Osmolarity and Electrolytes

- ★ [Barstow MM, et al. Diagnosis and management of sodium disorders: hyponatremia and hypernatremia. \*Am Fam Physician\*. 2015 Mar 1;91\(5\):299-307. \[PMID 25822386\]](#)

### Traumatic Brain Injury

Zachariah J, Rabinstein AA, Manno EM. Central nervous system physiology in critical illness. In Layon AJ, Gabrielli A, Yu M, Wood KE (eds). *Civetta, Taylor, & Kirby's Critical Care, 5th ed.* Wolters Kluwer, Philadelphia. 2017:83-100.

### Vascular Disorders of the Intestine

- ★ [Mazzei MA. Acute mesenteric ischemia: guidelines of the World Society of Emergency Surgery: a brief radiological commentary. \*World J Emerg Surg\*. 2018 Jul 27; 13:34. \[PMID: 30069228\]](#)

### Vasopressor and Vasodilator

- ★ [van Diepen S, et al. Contemporary management of cardiogenic shock: a scientific statement from the American Heart Association. \*Circulation\*. 2017 Oct 17;136\(16\): e232-e268. \[PMID: 28923988\]](#)