



2020 Pediatric Surgery: Key References

Below you will find the topics and a selection of key references for the 2020 Pediatric Surgery Continuous Certification Assessment. References that are available open source are indicated with a green star ★ and the entire citation is a link to the open access source. 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](#).

Airway Management

- ★ [Apfelbaum JL, Hagberg CA, Caplan RA, et al. Practice guidelines for management of the difficult airway: an updated report by the American Society of Anesthesiologists Task Force on management of the difficult airway. *Anesthesiology*. 2013;118\(2\):251-270.](#)
[PMID: 23364566]

Androgen Insensitivity Syndrome

- Weidler EM, Baratz A, Muscarella M, Hernandez SJ, van Leeuwen K. A shared decision-making tool for individuals living with complete androgen insensitivity syndrome. *Semin Pediatr Surg*. 2019;28(5):150844.
[PMID: 31668289]

Anesthetic Complications

- ★ [Hemphill S, McMenamin L, Bellamy MC, Hopkins PM. Propofol infusion syndrome: a structured literature review and analysis of published case reports. *Br J Anaesth*. 2019;122\(4\):448-459.](#)
[PMID: 30857601]
- ★ [Davidson AJ, Disma N, de Graaff JC, et al. Neurodevelopmental outcome at 2 years of age after general anaesthesia and awake-regional anaesthesia in infancy \(GAS\): an international multicentre, randomised controlled trial. *Lancet*. 2016;387\(10015\):239-250.](#)
[PMID: 26507180]
- ★ [Sun LS, Li G, Miller TL, et al. Association between a single general anesthesia exposure before age 36 months and neurocognitive outcomes in later childhood. *JAMA*. 2016;315\(21\):2312-2320.](#)
[PMID: 27272582]
- Chidambaran V, Tewari A, Mahmoud M. Anesthetic and pharmacologic considerations in perioperative care of obese children. *J Clin Anesth*. 2018;45:39-50.
[PMID: 29275265]



2020 Pediatric Surgery: Key References

Antibiotic Prophylaxis

- Kuriakose JP, Vu J, Karmakar M, et al. β -lactam versus non- β -lactam antibiotics and surgical site infection in colectomy patients. *J Am Coll Surg*. 2019;229(5):487-496.e2. [PMID: 31377412]
- ★ [Kronman MP, Oron AP, Ross RK, et al. Extended- versus narrower-spectrum antibiotics for appendicitis. *Pediatrics*. 2016;138\(1\):e20154547.](#) [PMID: 27354453]

Appendicitis

- ★ [Minneci PC, Mahida JB, Lodwick DL, et al. Effectiveness of patient choice in nonoperative vs surgical management of pediatric uncomplicated acute appendicitis. *JAMA Surg*. 2016;151\(5\):408-415.](#) [PMID: 26676711]

Bariatric Surgery, Complications

- ★ [Juhasz-Pocsine K, Rudnicki SA, Archer RL, Harik SI. Neurologic complications of gastric bypass surgery for morbid obesity. *Neurology*. 2007;68\(21\):1843-1850.](#) [PMID: 17515548]

Battery Ingestion

- Anfang RR, Jatana KR, Linn RL, Rhoades K, Fry J, Jacobs IN. pH-neutralizing esophageal irrigations as a novel mitigation strategy for button battery injury. *Laryngoscope*. 2019;129(1):49-57. [PMID: 29889306]

Beckwith-Wiedemann Syndrome

- ★ [Brioude F, Kalish JM, Mussa A, et al. Expert consensus document: clinical and molecular diagnosis, screening and management of Beckwith-Wiedemann syndrome: an international consensus statement. *Nat Rev Endocrinol*. 2018;14\(4\):229-249.](#) [PMID: 29377879]

Biliary Atresia

- ★ [Bezerra JA, Spino C, Magee JC, et al. Use of corticosteroids after hepatoportoenterostomy for bile drainage in infants with biliary atresia: the START randomized clinical trial. *JAMA*. 2014;311\(17\):1750-1759.](#) [PMID: 24794368]



2020 Pediatric Surgery: Key References

- ★ [Alonso EM, Ye W, Hawthorne K, et al. Impact of steroid therapy on early growth in infants with biliary atresia: the multicenter steroids in biliary atresia randomized trial. *J Pediatr.* 2018;202:179-185.e4.](#)
[PMID: 30244988]

Cervical Spine Trauma

- ★ [American College of Surgeons Committee on Trauma, American College of Radiology, American Society of Emergency Radiology. ACS TQIP Best Practice Guidelines in Imaging. October 2018.](#)

Clostridioides difficile

- ★ [McDonald LC, Gerding DN, Johnson S, et al. Clinical practice guidelines for *Clostridium difficile* infection in adults and children: 2017 update by the Infectious Diseases Society of America \(IDSA\) and Society for Healthcare Epidemiology of America \(SHEA\). *Clin Infect Dis.* 2018;66\(7\):987-994.](#)
[PMID: 29562266]

Congenital Diaphragmatic Hernia

- ★ [Puligandla PS, Skarsgard ED, Canadian Congenital Diaphragmatic Hernia Collaborative, et al. Diagnosis and management of congenital diaphragmatic hernia: a clinical practice guideline. *CMAJ.* 2018;190\(4\):E103-E112.](#)
[PMID: 29378870]

Esophageal Atresia/Tracheoesophageal Fistula

- ★ [Krishnan U, Mousa H, Dall'Oglio L, et al. ESPGHAN-NASPGHAN guidelines for the evaluation and treatment of gastrointestinal and nutritional complications in children with esophageal atresia-tracheoesophageal fistula. *J Pediatr Gastroenterol Nutr.* 2016;63\(5\):550-570.](#)
[PMID: 27579697]

Injury Prevention

- ★ [Posner K, Brown GK, Stanley B, et al. The Columbia-Suicide Severity Rating Scale: initial validity and internal consistency findings from three multisite studies with adolescents and adults. *Am J Psychiatry.* 2011;168\(12\):1266-1277.](#)
[PMID: 22193671]

Intravenous Fluid Maintenance Requirements



2020 Pediatric Surgery: Key References

- Fuchs J, Adams ST, Byerley J. Current issues in intravenous fluid use in hospitalized children. *Rev Recent Clin Trials*. 2017;12(4):284-289.
[PMID: [28814256](#)]

Laparoscopic Surgery in Infants

- Landman MP, Billmire D. Umbilical access in laparoscopic surgery in infants less than 3 months of age: a survey of the American Pediatric Surgical Association. *J Pediatr Surg*. 2020;S0022-3468(20)30098-1.
[PMID: [32147235](#)]

Multisystem Inflammatory Syndrome in Children (MIS-C)

- ★ [Feldstein LR, Rose EB, Horwitz SM, et al. Multisystem inflammatory syndrome in U.S. children and adolescents. *N Engl J Med*. 2020;383\(4\):334-346.](#)
[PMID: 32598831]

Neuroblastoma

- ★ [Twist CJ, Naranjo A, Schmidt ML, et al. Defining risk factors for chemotherapeutic intervention in infants with stage 4S neuroblastoma: a report from Children's Oncology Group study ANBL0531. *J Clin Oncol*. 2019;37\(2\):115-124.](#)
[PMID: 30444686]

Orchiopexy

- ★ [Kolon TF, Herndon CA, Baker LA, et al. Evaluation and treatment of cryptorchidism: AUA guideline. *J Urol*. 2014;192\(2\):337-345.](#)
[PMID: 24857650]

Ovarian Cysts

- ★ [Ozcan HN, Balci S, Ekinci S, et al. Imaging findings of fetal-neonatal ovarian cysts complicated with ovarian torsion and autoamputation. *AJR Am J Roentgenol*. 2015;205\(1\):185-189.](#)
[PMID: 26102397]

Pain Management

- ★ [U.S. Food and Drug Administration. FDA Drug Safety Communication: FDA restricts use of prescription codeine pain and cough medicines and tramadol pain medicines in children; recommends against use in breastfeeding women. March 2018.](#)
- Harbaugh CM, Vargas G, Streur CS, et al. Eliminating unnecessary opioid exposure after common children's surgeries. *JAMA Surg*. 2019;154(12):1154-1155.
[PMID: [31483452](#)]



2020 Pediatric Surgery: Key References

Personal Protective Equipment in a Pandemic

- ★ [Center for Disease Control and Prevention. Interim Infection Prevention and Control Recommendations for Healthcare Personnel During the Coronavirus Disease 2019 \(COVID-19\) Pandemic. July 2020.](#)

Pilonidal Disease

- Grabowski J, Oyetunji TA, Goldin AB, et al. The management of pilonidal disease: a systematic review. *J Pediatr Surg.* 2019;54(11):2210-2221. [\[PMID: 30948198\]](#)

Pneumothorax

- ★ [Brown SGA, Ball EL, Perrin K, et al. Conservative versus interventional treatment for spontaneous pneumothorax. *N Engl J Med.* 2020;382\(5\):405-415.](#) [\[PMID: 31995686\]](#)

Priorities in the Use of Critical Care Resources

- ★ [Daugherty Biddison EL, Faden R, Gwon HS, et al. Too many patients...a framework to guide statewide allocation of scarce mechanical ventilation during disasters. *Chest.* 2019;155\(4\):848-854.](#) [\[PMID: 30316913\]](#)

Regional Enteritis (Crohns Disease)

- ★ [Torres T, Bonovas S, Doherty G, et al. ECCO guidelines on therapeutics in Crohn's disease: medical treatment. *J Crohns Colitis.* 2020;14\(1\):4-22.](#) [\[PMID: 31711158\]](#)

Rhabdomyosarcoma

- ★ [Shern JF, Yohe ME, Khan J. Pediatric rhabdomyosarcoma. *Crit Rev Oncog.* 2015;20\(3-4\):227-243.](#) [\[PMID: 26349418\]](#)

Second Victim Syndrome

- Heiss K, Clifton M. The unmeasured quality metric: burnout and the second victim syndrome in healthcare. *Semin Pediatr Surg.* 2019;28(3):189-194. [\[PMID: 31171156\]](#)



2020 Pediatric Surgery: Key References

- ★ [Vanhaecht K, Seys D, Schouten L, et al. Duration of second victim symptoms in the aftermath of a patient safety incident and association with the level of patient harm: a cross-sectional study in the Netherlands. *BMJ Open*. 2019;9\(7\):e029923.](#)
[PMID: 31292185]

Septic Shock

- ★ [Davis AL, Carcillo JA, Aneja RK, et al. American College of Critical Care Medicine Clinical Practice Parameters for hemodynamic support of pediatric and neonatal septic shock. *Crit Care Med*. 2017;45\(6\):1061-1093.](#)
[PMID: 28509730]

Severe Pediatric Neurotrauma

- ★ [Kochanek PM, Tasker RC, Bell MJ, et al. Management of pediatric severe traumatic brain injury: 2019 consensus and guidelines-based algorithm for first and second tier therapies. *Pediatr Crit Care Med*. 2019;20\(3\):269-279.](#)
[PMID: 30830015]

Splenic Trauma, Blunt

- Gates RL, Price M, Cameron DB, et al. Nonoperative management of solid organ injuries in children: an American Pediatric Surgical Association outcomes and evidence-based practice committee systematic review. *J Pediatr Surg*. 2019;54(8):1519-1526.
[PMID: 30773395]

Thoracic Trauma

- ★ [Advanced Trauma Life Support® \(ATLS®\), 10th ed., 2018. American College of Surgeons.](#)

Transfusion Threshold

- ★ [Doctor A, Cholette JM, Remy KE, et al. Recommendations on RBC transfusion in general critically ill children based on hemoglobin and/or physiologic thresholds from the Pediatric Critical Care Transfusion and Anemia Expertise Initiative. *Pediatr Crit Care Med*. 2018;19\(9\)\(suppl 1\):S98-S113.](#)
[PMID: 30161064]

Trauma Resuscitation

- ★ [Advanced Trauma Life Support® \(ATLS®\), 10th ed., 2018. American College of Surgeons.](#)

Umbilical Hernia



2020 Pediatric Surgery: Key References

- Zens TJ, Rogers A, Cartmill R, et al. Age-dependent outcomes in asymptomatic umbilical hernia repair. *Pediatr Surg Int.* 2019;35(4):463-468.
[PMID: [30430281](#)]
- Halleran DR, Minneci PC, Cooper JN. Association between age and umbilical hernia repair outcomes in children: a multistate population-based cohort study. *J Pediatr.* 2020;217:125-130.e4.
[PMID: [31711762](#)]

Venous Thromboembolism Prophylaxis

- ★ [Mahajerin A, Petty JK, Hanson SJ, et al. Prophylaxis against venous thromboembolism in pediatric trauma: a practice management guideline from the Eastern Association for the Surgery of Trauma and the Pediatric Trauma Society. *J Trauma Acute Care Surg.* 2017;82\(3\):627-636.](#)
[PMID: 28030503]