**Large Animal**

**Additional Journal Article List 2025**

This list contains articles 3-10 years old from core and non-core journals and is designed to bridge a perceived gap in the recommended reading between recent journal articles, non-core journals and textbooks. It contains article the committee deems likely to inform and impact the practice of veterinary ECC. We aim to keep this list to <100 articles. This list is and reviewed and updated annually.

ACID-BASE, FLUIDS, & ELECTROLYTES

1. Collins NM, Carrick JB, Russell CM, Axon JE. Hypernatraemia in 39 hospitalised foals: clinical findings, primary diagnosis and outcome. Aust Vet J; 2018 Oct;96(10):385-389.
2. Khan A., Hallowell GD., Underwood C., van Eps AW. Continuous fluid infusion per rectum compared with intravenous and nasogastric fluid administration in horses. Equine Vet J. 2019;51(6):767-773.
3. Marik PE. Fluid responsiveness and the six guiding principle of fluid resuscitation. Crit Care Med 2016;44(10):1920-1922
4. McKenzie EC., Esser MM., McNitt SE., Payton ME. Effect of infusion of plasma or 6% hydroxyethyl starch (600/0.75) solution on plasma colloid osmotic pressure in healthy horses. Am J Vet Res 2016;77(7):708-714.
5. Semler MW., Self WH., Wanderer et al. Balanced crystalloids versus saline in critically ill adults. N Engl J Med 2018; 378(9):829-839.
6. Sen A., Keener CM., Sileanu FE., et al. Chloride content of fluids used for large-volume resuscitation is associated with reduced survival. Crit Care Med 2017; 45(2):e146-e153.

ANESTHESIA/ANALGESIA

1. Hopster K., Watkins AR., Hurcombe SD. Comparison of cervical epidural morphine with intravenous morphine administration on antinociception in adult horses using thermal threshold testing. Vet Anaesth Analg 2022;49(4):417-422.
2. Lochran CM, Raisis AL, Hosgood G, Secombe CJ, Lester GD. The effect of dobutamine and bolus crystalloids on the cardiovascular function of isoflurane anesthetized horses. Equine Vet J, 2017;49:369-374.

CARDIOVASCULAR

1. Afonso T., Giguere S., Rapoport G., Barton MH., Coleman AE. Cardiovascular effects of pimobendane in healthy mature horses. Equine Vet J 2016;48(3): 352-356.
2. Broux B., De Clercq D., Decloedt A., De Baere S., Devreese M., Van Der Vekens N., Ven S., Croubels S., van Loon G. Pharmacokinetics of intravenously and orally administered sotalol hydrochloride in horses and effects on surface electrocardiogram and left ventricular systolic function. Vet J 2016;208:60-64.
3. Navas de Solis C., Reef VB., Slack J and Jose-Cunilleras E. Evaluation of coagulation and fibrinolysis in horses with atrial fibrillation. J Vet Med Assoc 2016;248(2):201-206.
4. Trefz FM, Lorenz I, Constable PD. Electrocardiographic findings in 130 hospitalized neonatal calves with diarrhea and associated potassium balance disorders. J Vet Intern Med; 2018 Jul;32(4):1447-146.
5. Walton RAL, Hansen BD. Venous oxygen saturation in critical illness. J Vet Emerg Crit Care (San Antonio); 2018 Sep;28(5):387-397.

COAGULATION/TRANSFUSION MEDICINE

1. Blais MC., Bianco D., Goggs R., Lunch AM., Palmer L., Ralph A., Sharp CR. Consensus on the Rational Use of Anti-thrombotics in Veterinary Critical Care (CURATIVE): Domain 3- Defining antithrombotic protocols. J Vet Emerg Crit Care 2019;29(1):60-74.
2. Brainard BM., Buriko Y., Good J., Ralph AG., Rozanski EA. Consensus on the rational use of antithrombotics in Veterinary Critical Care (CURATIVE): Domain 5 – Discontinuation of anticoagulant therapy in small animals. J Vet Emerg Crit Care 2019; 29(1):88-97.
3. Cooper DJ, McQuilten ZK, Nichol A, et al (TRANSFUSE Investigators). Age of red cells for transfusion and outcomes in critically ill adults. N Eng J Med 2017; 377(19):1858-1867.
4. deLaforcade A., Bacek L., Blais MC., Goggs R., Lynch A., Rozanski E. Consensus on the Rational Use of Anti-thrombotics in Veterinary Critical Care (CURATIVE): Domain 1 – Defining populations at risk. J Vet Emerg Crit Care 2019;29(1):37-48.
5. Goggs R., Bacek L., Bianco D., Koengshof A., Li RH. Consensus on the Rational Use of Antithrombotics in Veterinary Critical Care (CURATIVE): Domain 2 – Defining rational therapeutic usage. J Vet Emerg Crit Care 2019;29(1):49-59.
6. Norris JW, Watson JL, Tablin F, Kozikowski TA, Knych H. Pharmacokinetics and competitive pharmacodynamics of ADP-induced platelet activation after oral administration of clopidogrel to horses. Am J Vet Res 2019;80(5):505-512.
7. Scruggs JL., Flatland B., McCormick KA., Reed A. Biological variation of thromboelastography variables in 10 clinically healthy horses. J Vet Emerg Crit Care 2016;26(1):80-84.
8. Sharp CR., deLaforcade AM., Koenigshof AM., Lunch AM., Thomason JM. Consensus on the Rational Use of Anti-thrombotics in Veterinary Critical Care (CURATIVE): Domain 4 – Refining and monitoring antithrombotic therapies J Vet Emerg Crit Care 2019;29(1):75-87.

ENDOCRINE

1. Bertin FR, Ruffin-Taylor D, Stewart AJ. Insulin dysregulation in horses with systemic inflammatory response syndrome. J Vet Intern Med; 2018 Jul;32(4):1420-1427.
2. Burkitt Creedon JM. Controversies surrounding critical illness‐related corticosteroid insufficiency in animals. J Vet Emerg Crit Care; 2015; 25(1):107-12.

ENVIRONMENTAL/TOXIC

1. Epstein Y., Ranovich R. Heatstroke. N Engl J Med 2019;280:2449-2459.

GASTROINTESTINAL/EXOCRINE PANCREAS

1. Boorman S., Stefanovski D., Southwood SL. Clinical findings associated with development of postoperative reflux and short-term survival after small intestinal surgery in geriatric and mature nongeriatric horses. Vet Surg 2019;48(5):795-802. Broyles AH, Hopper SA, Woodie JB, Ruggles AJ. Clinical outcomes after colopexy through left ventral paramedian incision in 156 thoroughbred broodmares with large colon disorders (1999-2015). Vet Surg; 2018 May;47(4):490-498.
2. Jacobs CC., Stefanovski D., Southwood LL. Use of perioperative variables to determine the requirement for repeat celiotomy in horses with postoperative reflux after small intestinal surgery. Vet Surg. 2019(48):1204-1210.
3. Kilcoyne I., Dechant JE., Kass PH., Nieto JE. Evaluation of the risk of incisional infection in horses following application of protective dressings after exploratory celiotomy for treatment of colic. J Am Vet Med Assoc. 2019;254(12):1441-1447.
4. Kilcoyne I., Nieto JE., Dechant JE. Predictive value of plasma and peritoneal creatine kinase in horses with strangulating intestinal lesions. Vet Surg 2019;48(2):152-158.
5. Lisowski ZM, Pirie RS, Blikslager AT, Lefebvre D, Hume DA, Hudson NPH. An update on equine post-operative ileus: Definitions, pathophysiology and management. Equine Vet J. 2018 May;50(3):292-303.
6. McConachie E., GIguere S., Barton MH. Scoring system for multiple organ dysfunction in adult horses with acute surgical gastrointestinal disease. J Vet Intern Med 2016; 30:1276-1283.

HEPATOBILIARY

None

IMMUNOLOGY/HEMOLYMPHATIC

1. Lambert JL., Fernadez NJ., Roy MF. Assocation of presence of band cells and toxic neutrophils with systemic inflammatory response syndrome and outcome in horses with acute disease. J Vet Intern Med 2016;30:1284-1292.

INTEGUMENT

1. Burgess BA. Prevention and surveillance of surgical infections: A review. Vet Surg 2019; 48(3):284-290.

MUSCULOSKELETAL

1. Chidlow H., Giguere S., Sanchez LC. Factors associated with long-term athletic outcome in Thoroughbred neonates admitted to an intensive care unit. Equine Vet J. 2019;51(6):716-719.
2. Lozier JW, Niehaus AJ, Muir A, Lakritz J. Short- and long-term success of transfixation pin casts used to stabilize long bone fractures in ruminants. Can Vet J; 2018 Jun;59(6):635-641.

NEUROLOGY/SPECIAL SENSES

None

NEONATALOGY

None

NUTRITION

1. Simpson KM., Taylor JD., Streeter RN. Evaluation of prognostic indicators for goats with pregnancy toxemia. J Am Vet Med Assoc 2019;254(7):859-867.

RENAL/URINARY

1. Jacobs CC., Fecteau ME. Urethrotomy in combination with or after temporary tube cystostomy for treatment of obstructive urolithiasis in male goats. Vet Surg 2019;48(3):315-320.
2. Keir I, Kellum JA. Acute kidney injury in severe sepsis: Pathophysiology, diagnosis, and treatment recommendations. J Vet Emerg Crit Care; 2015 Mar-Apr;25(2):200-9.
3. Oman RE., Reppert EJ., Streeter RN., Jones M. Outcome and complications in goats treated by perineal urethrostomy for obstructive urolithiasis: 25 cases (2010-2017) J Vet Intern Med 2019;33(1):292-296.
4. Riedi AK, Knubben-Schweizer G, Meylan M. Clinical findings and diagnostic procedures in 270 small ruminants with obstructive urolithiasis. J Vet Intern Med; 2018 May;32(3):1274-1282.
5. Riedi AK, Nathues C, Knubben-Schweizer G, Nuss K, Meylan M. Variables of initial examination and clinical management associated with survival in small ruminants with obstructive urolithiasis. J Vet Intern Med; 2018 Nov;32(6):2105-2114.
6. Zhang Z., Mo L., Ho KM., Hong Y. Association between the use of sodium bicarbonate and mortality in acute kidney injury using marginal structural cox model. Crit Care Med 2019;47(10):1402-1408.

REPRODUCTIVE

None

RESPIRATORY

1. Thompson BT, Chambers RC, Liu KD. Acute respiratory distress syndrome. N Eng J Med 2017; 377: 562-572.

SEPSIS/SIRS/MODS

1. Arise Investigators, ANZICS Clinical Trials Group. Goal-directed resuscitation for patients with early septic shock. N Engl J Med. 2014 Oct 16;2014(371):1496-506.
2. Cannon JW. Hemorrhagic Shock. N Engl J Med; 2018 May 10;378(19):1852-1853.
3. Drewry AM; Ablordeppey EA; Murray ET; et al. Antipyretic therapy in critically ill septic patients: a systematic review and meta-analysis. Crit Care Med 2017; 45(5): 806-813.
4. Executive Summary: Surviving Sepsis Campaign: International Guidelines for the Management of Sepsis and Septic Shock 2021. Crit Care Med 2021;49(11):1974-1982.
5. Khanna A, English SW, Wang XS, et al (ATHOS-3 Investigators). Angiotensin II for the treatment of vasodilatory shock. N Engl J Med 2017;377(5):419-430.
6. Putzu A., Daems AM., Lopez-Delgado JC., Giordano VF., Landoni G. The Effect of Vitamin C on Clinical Outcome in Critically Ill Patients: A Systematic Review With Meta-Analysis of Randomized Controlled Trials. Crit Care Med 2019;47(6):774-783.
7. Seymour CW, Gesten F, Prescott HC, et al. Time to treatment and mortality during mandated emergency care for sepsis. N Eng J Med 2017;376:2235-2244.
8. Silverstein DC, Santoro Beer KA. Controversies regarding choice of vasopressor therapy for management of septic shock in animals. J Vet Emerg Crit Care 2015;25(1):48-54.
9. Singer M, Deutschman CS, Seymour CW, et al. The third international consensus on definitions for sepsis and septic shock (Sepsis-3). J Am Med Assoc 2016;315(8):801-810.Whiles BB., Deis AS., Simpson SQ. Increased time to initial antimicrobial administration is associated with progression to septic shock in severe sepsis patients. Crit Care Med 2017; 45(4): 623-629.
10. Wong DM, Ruby RE, Dembek KA, Barr BS, Reuss SM, Magdesian KG, Olsen E, Burns T, Slovis NM, Wilkins PA. Evaluation of updated sepsis scoring systems and systemic inflammatory response syndrome criteria and their association with sepsis in equine neonates. J Vet Intern Med; 2018 May;32(3):1185-1193.

SHOCK/ISCHEMIA/CPR

1. Lascarrou JB., Merdji H., Le Gouge A., et al. Targeted Temperature Management for Cardiac Arrest with Nonshockable Rhythm. N Engl J Med. 2019;381(24):2327-2337.
2. Rosenstein PG, Tennent-Brown BS, Hughes D. Clinical use of plasma lactate concentration. Part 1: Physiology, pathophysiology, and measurement. J Vet Emerg Crit Care (San Antonio). 2018 Mar;28(2):85-105.
3. Rosenstein PG, Tennent-Brown BS, Hughes D. Clinical use of plasma lactate concentration. Part 2: Prognostic and diagnostic utility and the clinical management of hyperlactatemia. J Vet Emerg Crit Care (San Antonio); 2018 Mar;28(2):106-121.

TRAUMA

1. Sheridan RL. Fire Related Inhalation Injury. N Engl J Med. 2016;375:464-469.