

## **Large Animal Additional Journal Article List 2024**

This list contains articles 3-10 years old from core journals and articles within the last 12 years from 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 and will review and update it 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. Marik PE. Fluid responsiveness and the six guiding principle of fluid resuscitation. *Crit Care Med* 2016;44(10):1920-1922
3. 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.
4. Semler MW., Self WH., Wanderer et al. Balanced crystalloids versus saline in critically ill adults. *N Engl J Med* 2018; 378(9):829-839.
5. 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.
6. Viu J., Armengou L., Rios J., Munos A., Jose-Cunilleras E. Simplified strong ion difference approach to acid-base balance in healthy foals. *J Vet Emerg Crit Care* 2016;26(4):549-558.

### ANESTHESIA/ANALGESIA

7. Dupont J., Gougnard A., Saliccia A., Dettileux J., Serteyn D., Sandersen C. Comparison of single-breath continuous positive airway pressure manoeuvre with inhaled salbutamol to improve oxygenation in horses anaesthetized for laparotomy. *Vet Anaesth Analg* 2022;49(1):85-94.
8. 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.
9. Lochran CM, Rasis 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.
10. Tayari H., Flaherty D., Schauvliege S., La Rosa L., Auckburally A. Accuracy and trending capability of haemoglobin measurement by noninvasive pulse co-oximetry in anaesthetized horses. *Vet Anaesth Analg* 2022;49(1):76-84.

### CARDIOVASCULAR

11. 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.
12. 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.
13. 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.
14. 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.
15. 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

16. 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.
17. 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.

#### ENDOCRINE

18. 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.
19. Burkitt Creedon JM. Controversies surrounding critical illness-related corticosteroid insufficiency in animals. *J Vet Emerg Crit Care*; 2015; 25(1):107-12.

#### ENVIRONMENTAL/TOXIC

None

#### GASTROINTESTINAL/EXOCRINE PANCREAS

20. Arroyo LG., Costa MC., Guest BB., et al. Duodenitis-proximal jejunitis in horses after experimental administration of *Clostridium difficile* toxins. *J Vet Int Med* 2017;31(1):158-163
21. 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.
22. 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.

23. 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.
24. Pihl TH, Nielsen MK, Olsen SN, Leifsson PS, Jacobsen S. Nonstrangulating intestinal infarctions associated with *Strongylus vulgaris*: Clinical presentation and treatment outcomes of 30 horses (2008-2016). *Equine Vet J*; 2018 Jul;50(4):474-480.

#### HEPATOBIILIARY

None

#### IMMUNOLOGY/HEMOLYMPHATIC

25. Lambert JL., Fernandez NJ., Roy MF. Association 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

None

#### MUSCULOSKELETAL

26. 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

#### NEONATALOLOGY

None

#### NUTRITION

None

#### RENAL/URINARY

27. 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.
28. 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.
29. 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.

## REPRODUCTIVE

None

## RESPIRATORY

30. Arroyo MG., Slovis NM., Moore GE., Taylor SD. Factors associated with survival in 97 horses with septic pleuropneumonia. *J Vet Int Med* 2017;31(3):894-900.
31. Haspel AD, Giguère S, Hart KA, Berghaus LJ, Davis JL. Bioavailability and tolerability of nebulised dexamethasone sodium phosphate in adult horses. *Equine Vet J*; 2018 Jan;50(1):85-90.
32. Thompson BT, Chambers RC, Liu KD. Acute respiratory distress syndrome. *N Engl J Med* 2017; 377: 562-572.
33. van Bergen T, Rötting A, Wiemer P, Schauvliege S, Vanderperren K, Ugahary F, Martens A. Foramen epiploicum mesh closure (FEMC) through a ventral midline laparotomy. *Equine Vet J*; 2018 Mar;50(2):235-240.

## SEPSIS/SIRS/MODS

34. 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.
35. Cannon JW. Hemorrhagic Shock. *N Engl J Med*; 2018 May 10;378(19):1852-1853.
36. 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.
37. Executive Summary: Surviving Sepsis Campaign: International Guidelines for the Management of Sepsis and Septic Shock 2021. *Crit Care Med* 2021;49(11):1974-1982.
38. Henning DJ; Carey JR; Oedorf K; et al. The absence of fever is associated with higher mortality and decreased antibiotic and IV fluid administration in emergency department patients with suspected septic shock. *Crit Care Med* 2017; 45(6):e575-e582.
39. 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.
40. Marik PE, Khangoora V, Rivera R, Hooper MH, Catravas J. Hydrocortisone, vitamin C, and thiamine for treatment of severe sepsis and septic shock: a retrospective before-after study. *Chest* 2017;161(6):1229-1238.
41. Rochwerg B, Oczkowski SJ, Siemieniuk RAC, Agoritsas T, Belley-Cote E, D'Aragnon F, Duan E, English S, Gossack-Keenan K, Alghuroba M, Szczeklik W, Menon K, Alhazzani W, Sevransky J, Vandvik PO, Annane D, Guyatt G. Corticosteroids in Sepsis: An Updated Systematic Review and Meta-Analysis. *Crit Care Med*; 2018 Sep;46(9):1411-1420.
42. Roy MF., Kwong GPS., Lambert J., Massie S., Lockhart S. Prognostic value and development of a scoring system in horses with systemic inflammatory response syndrome. *J Vet Int Med* 2017;31(2):582-592.
43. Seymour CW, Gesten F, Prescott HC, et al. Time to treatment and mortality during mandated emergency care for sepsis. *N Engl J Med* 2017;376:2235-2244.

44. 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.
45. 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.
46. 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.
47. 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

48. Cecconi M, De Backer D, Antonelli M, et al. Consensus on circulatory shock and hemodynamic monitoring. Task force of the European Society of Intensive Care Medicine. *Intensive Care Med.* 2014;40(12):1795-1815.
49. 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.
50. 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.
51. Special Issue: Reassessment Campaign on Veterinary Resuscitation (RECOVER): Evidence and Knowledge Gap Analysis on Veterinary CPR. *J Vet Emerg Crit Care* 2012;S4-131.

#### TRAUMA

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