Large Animal
Additional Journal Article List 2026

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. Dunkel, B., Dodson, F., Chang, Y.-M., & Slovis, N. M. (2020). Retrospective evaluation of the association between hyponatremia and neurological dysfunction in hospitalized foals (2012–2016): 109 cases. Journal of Veterinary Emergency and Critical Care, 30(1), 66–73.
3. Gomez DE, Bedford S, Darby S, Palmisano M, MacKay RJ, Renaud DL. Acid-base disorders in sick goats and their association with mortality: A simplified strong ion difference approach. J Vet Intern Med. 2020; 34: 2776–2786.
4. 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.
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

7. 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.
8. 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

9. 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.
10. Gy C, Leclere M, Bélanger M-C, Allano M, Beauchamp G, Lavoie J-P. Acute, subacute and chronic sequelae of horses accidentally exposed to monensin-contaminated feed. *Equine Vet J*. 2020; 52: 848–856.
11. 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.

12. 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

13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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

19. 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.

ENVIRONMENTAL/TOXIC

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

GASTROINTESTINAL/EXOCRINE PANCREAS

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. 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.
23. Schoster A, Altermatt N, Torgerson PR, Bischofberger AS. Outcome and complications following transrectal and transabdominal large intestinal trocarization in equids with colic: 228 cases (2004-2015). J Am Vet Med Assoc. 2020; 257(2): 189-195.

HEPATOBILIARY

None

IMMUNOLOGY/HEMOLYMPHATIC

None

INTEGUMENT

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

MUSCULOSKELETAL

25. 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.
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.
27. Ellerbrock, R.E., Canisso, I.F., Roady, P.J., Litsky, A., Durgam, S., Podico, G., Li, Z. and Lima, F. . (2020), Administration of enrofloxacin during late pregnancy failed to induce lesions in the resulting newborn foals. Equine Vet J, 52: 136-143

NEUROLOGY/SPECIAL SENSES

None

NEONATALOGY

None

NUTRITION

28. 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.
29. Luethy D, Stefanovski D, Sweeney RW. Refeeding syndrome in small ruminants receiving parenteral nutrition. *J Vet Intern Med*. 2020; 34: 1674–1679.

RENAL/URINARY

30. Applegate TJ, Barrell EA, Hassel DM, Hackett ES, Simpson KM, Callan RJ. Combined tube cystostomy and urethrotomy for the treatment of urethral obstruction due to urolithiasis in goats. Veterinary Surgery. 2020; 49: 373–379.
31. **Gaudry S., Palevsky PM., Dreyfuss D. Extracorporeal kidney-replacement therapy for acute kidney injury (review article). N Engl J Med. 2022; 386:964-975**
32. 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.
33. 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.
34. 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.
35. 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.

36. 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.
37. STARRT-AKI Investigators. Timing of initiation of renal replacement therapy in acute kidney injury. N Engl J Med. 2020; 383:240-251
38. Teitelbaum I. Peritoneal dialysis (review article). N Engl J Med. 2021; 385:1786-1795
39. 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

40. Thompson BT, Chambers RC, Liu KD. Acute respiratory distress syndrome. N Eng J Med 2017; 377: 562-572.
41. Schjooring OL., Klitgaard TL., Perner A., et al. Lower or higher oxygenation targets for acute hypoxemic respiratory failure. N Engl J Med. 2021; 384:1301-1311
42. Munshi L., Mancebo J., Brochard LJ. Noninvasive respiratory support for adults with acute respiratory failure (review article). N Engl J Med. 2022; 387:1688-1698

SEPSIS/SIRS/MODS

43. Anderson MJ, Ibrahim AS, Cooper BR, Woolcock AD, Moore GE, Taylor SD. Effects of administration of ascorbic acid and low-dose hydrocortisone after infusion of sublethal doses of lipopolysaccharide to horses. *J Vet Intern Med*. 2020; 34: 2710–2718.Cannon JW. Hemorrhagic Shock. N Engl J Med; 2018 May 10;378(19):1852-1853.
44. 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.
45. Furr M, McKenzie H III. Factors associated with the risk of positive blood culture in neonatal foals presented to a referral center (2000-2014). *J Vet Intern Med*. 2020; 34: 2738–2750.
46. Executive Summary: Surviving Sepsis Campaign: International Guidelines for the Management of Sepsis and Septic Shock 2021. Crit Care Med 2021;49(11):1974-1982.
47. 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.
48. 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.
49. 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.
50. 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.

51. Theelen MJP, Wilson WD, Byrne BA, et al. Differences in isolation rate and antimicrobial susceptibility of bacteria isolated from foals with sepsis at admission and after ≥48 hours of hospitalization. *J Vet Intern Med*. 2020; 34: 955–963.
52. 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

53. 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.
54. 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

55. Sheridan RL. Fire Related Inhalation Injury. N Engl J Med. 2016;375:464-469.
56. Chigerwe M, Depenbrock SM, Heller MC, King A, Clergue SA, Morris CM, Peyton JL, Angelos JA. Clinical management and outcomes for goats, sheep, and pigs hospitalized for treatment of burn injuries sustained in wildfires: 28 cases (2006, 2015, and 2018). J Am Vet Med Assoc. 2020; 257(11): 1165-1170.