

Small 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. Articles on this list are considered by the committee to be relevant and significant to the practice of veterinary ECC medicine and hence are testable material for the ACVECC board examination. Articles on this list may be used as sole reference for an examination question.

This list will be reviewed and updated annually by the ACVECC Examination Committee.

ACID-BASE, FLUIDS, & ELECTROLYTES

1. Sen A; Keener CM; MS; 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.
2. Jaber S, Paugam C, Futier E, et al. Sodium bicarbonate therapy for patients with severe metabolic acidaemia in the intensive care unit (BICAR-ICU): a multicentre, open-label, randomised controlled, phase 3 trial. *Lancet*. 2018; 392(10141):31 – 40.

ANESTHESIA/ANALGESIA

3. Grubb T, Sager J, Gaynor JS, et al. 2020 AAHA Anesthesia and monitoring guidelines for dogs and cats. *J Am Anim Hosp Assoc*. 56(2):59-82.

CARDIOVASCULAR

4. Luis Fuentes V, Abbott J, Chetboul V, et al. ACVIM consensus statement guidelines for the classification, diagnosis and management of cardiomyopathies in cats. *J Vet Intern Med* 2019;34(3):1062-1077.
5. Reinero C, Visser LC, Kellihan HB, et al. ACVIM consensus statement guidelines for the diagnosis, classification, treatment, and monitoring of pulmonary hypertension in dogs. *J Vet Intern Med* 2019;34(2):549-573.

COAGULATION/TRANSFUSION MEDICINE

6. 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.
7. Ueda Y, Li RHL, Nguyen N, et al. A genetic polymorphism in P2RY1 impacts response to clopidogrel in cats with hypertrophic cardiomyopathy. *Sci Rep* 2021; 11(1):12522.
8. Holst LB, Haase N, Wetterslev J, Wernerman J, Guttormsen AB, Karlsson S, Johansson PI, Åneman A, Vang ML, Winding R, Nebrich L. Lower versus higher hemoglobin threshold for transfusion in septic shock. *N Eng J Med* 2014; 371(15):1381-1391.

ENDOCRINE

9. Neiman DJ, Bruyette DS, Bergman PJ. Prognostic value of serum total thyroxine concentration at admission to an intensive care unit for critically ill dogs. *J Am Vet Med Assoc.* 2020 Jul 1;257(1):57-61.

ENVIRONMENTAL/TOXIC

10. Bruchim Y, Horwitz M, Aroch I. Pathophysiology of heatstroke in dogs – revisited. *Temperature* 2017;4(4):356-370.
11. Brodeur A, Wright A, Cortes Y. Hypothermia and targeted temperature management in cats and dogs. *J Vet Emerg Crit Care (San Antonio).* 2017 Mar;27(2):151-163. doi: 10.1111/vec.12572. Epub 2017 Jan 25. PMID: 28122159.

GASTROINTESTINAL/EXOCRINE PANCREAS

None

HEPATOBIILIARY

None

IMMUNOLOGY/HEMOLYMPHATIC

12. ACVIM consensus statement in the diagnosis of immune-mediated hemolytic anemia in dogs and cats. *J Vet Intern Med* 2018; 33 (2):313-334.
13. ACVIM consensus statement in the treatment of immune-mediated hemolytic anemia in dogs. *J Vet Intern Med* 2019; 33(3):1141-1172.
14. Smith MR, Wurlod VA, Ralph AG, Daniels ER, Mitchell M. Mortality rate and prognostic factors for dogs with severe anaphylaxis: 67 cases (2016-2018). *J Am Vet Med Assoc.* 2020 May 15;256(10):1137-1144.

INTEGUMENT

None

MUSCULOSKELETAL

None

NEUROLOGY/SPECIAL SENSES

15. Mignan T, Targett M, Lowrie M. Classification of myasthenia gravis and congenital myasthenic syndromes in dogs and cats. *J Vet Intern Med.* 2020 Sep;34(5):1707-1717.

NUTRITION

16. Harvey SE, Parrott F, Harrison DA, Bear DE, Segaran E, Beale R, Bellingan G, Leonard R, Mythen MG, Rowan KM. Trial of the route of early nutritional support in critically ill adults. *N Eng J Med* Eng J Med. 2014;371(18):1673-84.

RENAL/URINARY

17. Keir I, Kellum JA. Acute kidney injury in severe sepsis: Pathophysiology, diagnosis, and treatment recommendations. *J Vet Emerg Crit Care*; 2015;25(2):200-9.
18. Weese JS, Blondeau JM, Boothe D, et al. International Society for Companion Animal Infectious Diseases (ISCAID) guidelines for the diagnosis and management of bacterial urinary tract infections in dogs and cats, *The Veterinary Journal*, Volume 247, 2019:8-25

REPRODUCTIVE

None

RESPIRATORY

19. Bos LDJ, Ware LB. Acute respiratory distress syndrome: causes, pathophysiology, and phenotypes. *The Lancet* 2022; 400:1145-1156.
20. Gorman EA, O’Kane CM, McAuley DF. Acute respiratory distress syndrome in adults: diagnosis, outcomes, long-term sequelae, and management. *The Lancet* 2022; 400:1157-1170.
21. Aggarwal, Neil R.; Brower, Roy G.; Hager, David N., et al. Oxygen exposure resulting in arterial oxygen tensions above the protocol goal was associated with worse clinical outcomes in acute respiratory distress syndrome. *Crit Care Med*. 2018; 517-524.
22. Lappin MR, Blondeau J, Boothe D, et al. Antimicrobial use guidelines for treatment of respiratory tract disease in dogs and cats: Antimicrobial guidelines working group for the international society for companion animal infectious diseases. *J Vet Intern Med* 2017;31:279-294.
23. Conservative Oxygen Therapy during Mechanical Ventilation in the ICU *N Engl J Med* 2020; 382:989-998 DOI: 10.1056/NEJMoa1903297
24. Liberal or Conservative Oxygen Therapy for Acute Respiratory Distress Syndrome *N Engl J Med* 2020; 382:999-1008 DOI: 10.1056/NEJMoa1916431

SEPSIS/SIRS/MODS

25. Koenig A, Verlander LL. Usefulness of whole blood, plasma, peritoneal fluid, and peritoneal fluid supernatant glucose concentrations obtained by a veterinary point-of-care glucometer to identify septic peritonitis in dogs with peritoneal effusion. *J Am Vet Med Assoc*. 2015; 247(9):1027-32.
26. 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.
27. PRISM Investigators. Early, goal-directed therapy for septic shock – A patient-level meta-analysis. *N Engl J Med* 2017; 376:2223-2234.
28. 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.
29. Weese JS, Giguere S, Guardabassi L, et al. ACVIM Consensus statement on therapeutic antimicrobial use in animals and antimicrobial resistance. *J Vet Intern Med* 2015; 29:487-498.
30. Fujii T, Leuthi et al. Effect of Vitamin C, Hydrocortisone, and Thiamine vs Hydrocortisone Alone on Time Alive and Free of Vasopressor Support Among Patients With Septic Shock. *The VITAMINS Randomized Clinical Trial*. *JAMA* 2020;232(5):423-431.

SHOCK/ISCHEMIA/CPR

31. 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.
32. Rosenstein PG, Tennent-Brown BS, Hughes D. Clinical use of plasma lactate concentration. Part 1: Physiology, pathophysiology, and measurement. *J Vet Emerg Crit Care.* 2018. 28(2): 85-105.
33. 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.* 2018. 28(2): 106-121.

TRAUMA

None