

SA ACVECC Knowledge List 2024 – Small Animal Candidates

Required Reading List: The following list of references contain the material that residents/ fellows are expected to learn with retention and comprehension during their training. To facilitate this, a recent edition of appropriate resources from each section must be provided on site at each Residency Training Facility. Computer access to the common veterinary and human medical databases must also be available on site at each Residency Training Facility.

Small Animal Candidates sitting the examination in September 2024 are responsible for journal articles from calendar years 2021-2023, and book titles published during or before 2023, and the Small Animal Additional article list.

Both Large Animal (LA) and Small Animal (SA) candidates sitting the **General MCQ** examination in September 2024 are responsible for journal articles from calendar years 2021-2023, and the journal articles that appear in the Small or Large Animal Additional Article lists.

Reading List: Journals

Articles germane to the field of Veterinary Emergency and Critical Care for the appropriate species should be reviewed from the following journals. Relevant articles from the **required** journal list are considered testable material for the ACVECC board examination.

Required Journal List:

American Journal of Veterinary Research	Journal of the American Veterinary Medical Association	The New England Journal of Medicine
Critical Care Medicine	Journal of Veterinary Emergency and Critical Care	The Veterinary Journal
Equine Veterinary Journal (for LA Candidates)	Journal of Veterinary Internal Medicine	Veterinary Surgery (for LA Candidates)
Frontiers in Veterinary Science (Section of Emergency and Critical Care)		

Supplemental Journal List:

The **supplemental** article list provides candidates with publications that bridge the gap in the core journals and textbooks. Articles from this list are **not** considered required knowledge for the board examination unless specifically listed separately on the Additional Article List and will **not** be used as a sole reference for an examination question.

Australian Veterinary Journal	Journal of the American Animal Hospital Association	Veterinary Anaesthesia and Analgesia
The Canadian Veterinary Journal	Journal of Feline Medicine and Surgery	Veterinary Clinics of North America: SA Practice (SA candidates)
Chest	The Journal of Small Animal Practice	Veterinary Clinics of North America: Equine Practice (LA candidates)
Critical Care Clinics	The Journal of Trauma and Acute Care Surgery	Veterinary Clinical Pathology
Current Opinion in Critical Care	Journal of Veterinary Cardiology	Veterinary Radiology and Ultrasound
	Shock	Veterinary Surgery (SA candidates)
Intensive Care Medicine		

Required Reading List: Textbooks

Please note that expected knowledge is duplicated in many of these references: *it is not necessary or expected that residents will be familiar with every text listed*. However, several suitable texts are listed to ensure that residents have access to all pertinent information. For each knowledge category in the Required Reading List, at least **one** edition of a textbook that covers the appropriate species of interest and is published within the last 10 years should be available for study and reference. (LA – Large animal, SA – Small animal, LA/SA – All species, Human – Human beings). Textbooks highlighted **yellow** are new additions added this year.

Small Animal Candidates:

Anesthesia				
Species	Title	Author/Editor	Year	Edition
LA/SA	Handbook of Veterinary Anesthesia	Muir WW, Hubbell JAE	2012	5 th ed.
LA/SA	Veterinary Anesthesia and Analgesia	Grimm KA, Lamont LA, Tranquilli WJ, Greene SA, Robertson SA (eds)	2015	5 th ed.
LA/SA	Veterinary Anesthetic and Monitoring Equipment	Cooley KG, Johnson RA	2018	1 st ed.
Cardiovascular				
Species	Title	Author/Editor	Year	Edition
LA/SA	Cardiovascular Disease in Companion Animals: Dog, Cat and Horse	Ware, WA; Bonagura JD	2023	2nd ed
SA	Manual of Canine and Feline Cardiology	Smith FWK, Tilley LP, Oyama M, Sleeper MM	2015	5 th ed.
Clinical Pathology				
Species	Title	Author/Editor	Year	Edition
LA/SA	Duncan and Prasse's Veterinary Laboratory Medicine: Clinical Pathology	Latimer KS (ed)	2011	5 th ed.
LA/SA	Fundamentals of Veterinary Clinical Pathology	Stockham SL, Scott MA (eds)	2008	2 nd ed.
SA	Small Animal Clinical Diagnosis by Laboratory Methods	Willard MD, Tvedten H (eds)	2012	5 th ed.
Emergency / Critical Care				
Species	Title	Author/Editor	Year	Edition
Human	Marino's the ICU Book	Marino PL	2014	4 th ed.
Human	Critical Care Medicine: Principles of Diagnosis and Management in the Adult	Parrillo J, Dellinger RP (eds)	2019	5 th ed.
Human	Textbook of Critical Care	Vincent JL, Abraham E, Kochanek P, Moore FA, Fink MP (eds)	2017	7 th ed.
SA	Advanced Monitoring and Procedures for Small Animal Emergency and Critical Care	Burkett Creedon JM, Davis H (eds)	2023	2 nd ed.
SA	Textbook of Small Animal Emergency Medicine	Drobatz KJ, Hopper K, Rozanski E, Silverstein DC (eds)	2019	1 st ed.
SA	Veterinary Emergency and Critical Care Procedures	Hackett TB, Mazzaferro EM	2012	2 nd ed.
SA	Manual of Small Animal Emergency and Critical Care Medicine	Macintire DK, Drobatz DJ, Haskins SC, et al	2012	2 nd ed.
SA	Monitoring and Intervention for the Critically Ill Small Animal (The Rule of 20)	Kirby R, Linklater A	2016	1st ed

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SA	Veterinary Emergency and Critical Care Manual	Mathews KA	2018	3 rd ed.
SA	Small Animal Critical Care Medicine	Silverstein D, Hopper K (eds)	2023	3 rd ed.
Fluid Therapy, Acid-Base, Electrolyte				
Species	Title	Author/Editor	Year	Edition
Human	Fluid, Electrolyte, and Acid-Base Physiology: A Problem-Based Approach	Halperin ML, Kamel KS	2017	5 th ed.
Human	Clinical Physiology of Acid-Base and Electrolyte Disorders	Rose BD, Post T, Stokes	2000	5 th ed.
SA	Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice	DiBartola SP (ed)	2011	4 th ed.
Imaging				
Species	Title	Author/Editor	Year	Edition
LA/SA	Textbook of Veterinary Diagnostic Radiology	Thrall DE (ed)	2018	7 th ed.
SA	Point-of-care Ultrasound Techniques for the Small Animal Practitioner	Lisciandro GR (ed)	2021	2 nd ed
Infectious Disease				
Species	Title	Author/Editor	Year	Edition
SA	Canine and Feline Infectious Diseases	Sykes JE	2014	1 st ed.
SA	Infectious Diseases of the Dog And Cat	Greene CE (ed) –	2022	5 th ed.
Internal Medicine				
Species	Title	Author/Editor	Year	Edition
SA	Textbook of Veterinary Internal Medicine	Ettinger SJ, Feldman EC, Cote E. (eds)	2017	8 th ed.
SA	Clinical Canine and Feline Respiratory Medicine	Johnson LR	2020	2 nd ed.
SA	Respiratory Disease in Dogs and Cats	King LG (ed)	2004	1 st ed.
SA	Canine and Feline Gastroenterology	Washabau RJ, Day MJ	2012	1 st ed.
SA	Canine and Feline Endocrinology	Feldman EC, Nelson RW	2015	4 th ed.
Hematology and Transfusion Medicine				
LA/SA	Manual of Veterinary Transfusion Medicine and Blood Banking	Yagi K, Holowaychuk M	2016	1 st ed.
Mechanical Ventilation				
Species	Title	Author/Editor	Year	Edition
Human	Essentials of Mechanical Ventilation	Hess D, Kacmarek R	2018	4 th ed
Human	Mechanical Ventilation	MacIntyre NR, Branson RD	2008	2 nd ed.
Human	Pilbeam's Mechanical Ventilation: Physiological and Clinical Applications	Cairo JM (ed)	2023	8 th ed.
Human	Principles and Practice of Mechanical Ventilation	Tobin MJ (ed)	2012	3 rd ed.
Medical Physiology				
Species	Title	Author/Editor	Year	Edition

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Human	Ganong's Review of Medical Physiology	Barrett KE, Barman SM, Brooks JL, Yuan J.	2019	26 th ed.
Human	Medical Physiology: A Cellular and Molecular Approach	Boron WF, Boulpaep, EL	2017	3 rd ed.
Human	Guyton And Hall Textbook of Medical Physiology	Hall JE, Hall ME	2020	14 th ed.
Human	Berne & Levy Principles of Physiology	Koeppen BM, Stanton BA	2023	8 th ed.
LA/SA	Cunningham's Textbook of Veterinary Physiology	Klein BG (ed)	2019	6 th ed.
Human	Respiratory Physiology – The Essentials	West JB, Luks AM	2020	11 th ed.
Neurology				
Species	Title	Author/Editor	Year	Edition
LA/SA	Veterinary Neuroanatomy and Clinical Neurology	de Lahunta A, Glass EN, Kent M	2021	5 th ed.
LA/SA	Handbook of Veterinary Neurology	Lorenz MD, Coates J, Kent M	2011	5 th ed.
SA	A Practical Guide to Canine and Feline Neurology	Dewey CW, da Costa RC (eds)	2015	3 rd ed.
SA	Small Animal Neurological Emergencies	Platt S, Garosi L (eds)	2012	1 st ed.
SA	BSAVA Manual of Canine and Feline Neurology	Platt S, Olby N	2013 2022	4 th 5 th ed.
Nutrition				
Species	Title	Author/Editor	Year	Edition
SA	Nutritional Management of Hospitalized Small Animals	Chan DL (ed)	2015	1 st ed.
Oncology				
Species	Title	Author/Editor	Year	Edition
SA	Withrow and MacEwen's Small Animal Clinical Oncology	Thamm D, Vail D, Liptak J (Eds)	2019	6 th ed.
Ophthalmology				
Species	Title	Author/Editor	Year	Edition
LA/SA	Essentials of Veterinary Ophthalmology	Gelatt, KN (ed)	2014 2022	3 rd 4 th ed.
LA/SA	Slatter's Fundamentals of Veterinary Ophthalmology	Maggs D, Miller P	2017	6 th ed.
Pediatrics				
Species	Title	Author/Editor	Year	Edition
SA	Small Animal Pediatrics: The First 12 Months of Life	Peterson ME, Kutzler, M (eds)	2011	1 st ed.
SA	BSAVA Manual of Canine and Feline Reproduction and Neonatology	England G, von Heimendahl A	2010	2 nd ed.
SA	Canine Reproduction and Neonatology	Greer ML	2014	1 st ed.
Pharmacology				
Species	Title	Author/Editor	Year	Edition
LA/SA	Veterinary Pharmacology and Therapeutics	Riviere JE Papich MG	2018	10 th ed.

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SA	Small Animal Clinical Pharmacology and Therapeutics	Boothe, DM (ed)	2012	2 nd ed.
SA	Small Animal Clinical Pharmacology	Maddison JE, Page S, Church D	2008	2 nd ed.
SA/LA	Plumb's veterinary drug handbook	Budde & McCluskey	2023	10th ed
Surgery				
Species	Title	Author/Editor	Year	Edition
SA	Small Animal Surgery	Fossum TW (ed)	2018	5 th ed.
SA	Small Animal Surgical Emergencies	Aronson LR	2016 2022	1 st ed. 2 nd ed.
SA	Veterinary Surgery: Small Animal	Tobias KM, Johnston SA	2017	2 nd ed.
Toxicology				
Species	Title	Author/Editor	Year	Edition
LA/SA	Veterinary Toxicology: Basic and Clinical Principles	Gupta RC (ed)	2018	3 rd ed.
LA/SA	Clinical Veterinary Toxicology	Plumlee K	2004	1 st ed
SA	Small Animal Toxicology	Peterson ME, Talcott MA (eds)	2013	3 rd ed.
SA	Blackwell's Five Minute Veterinary Consult Clinical Companion: Small Animal Toxicology	Hovda L, Brutlag A, Poppenga RH, Peterson K.	2016	2 nd Edition

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Supplemental Reading List: Textbooks/Special Issues of Journal Articles

The following are supplemental reading materials and will not be used as a sole reference for an examination question.

Anesthesia				
Species	Title	Author/Editor	Year	Edition
LA/SA	Veterinary Anesthesia and Analgesia	Grimm KA, Lamont LA, Tranquilli WJ, Greene SA, Robertson SA (eds)	2015	5 th ed.
LA/SA	Handbook of Veterinary Pain Management	Gaynor JS, Muir WW	2014	3 rd ed.
SA	Small Animal Anesthesia Techniques	Shelby AM, McKune C	2014	
SA	Small Animal Regional Anesthesia and Analgesia	Campoy L, Read M	2013	
LA/SA	Veterinary Anaesthesia: Principles to Practice	Dugdale A, Beaumont G	2020	2 nd ed.
SA	Canine and Feline Anesthesia and Co-Existing Disease	Snyder LBC, Johnson RA	2014	
Cardiovascular				
Species	Title	Author/Editor	Year	Edition
SA	Cardiovascular Disease in Small Animal Medicine	Ware, W	2007	1 st ed.
LA	Cardiology of the Horse	Marr C, Bowen M	2011	2 nd ed.
SA	Manual of Canine and Feline Cardiology	Smith FWK, Tilley LP, Oyama M, Sleeper MM	2015	5 th ed.
Human	Hemodynamic Monitoring: Evolving techniques and clinical practice	Lough ME	2015	1 st ed.
Human	Cardiovascular Physiology	Mohrman DE Heller LJ	2018	9 th ed.
SA	Feline Cardiology	Cote E, MacDonald KA, Meurs KM, Sleeper MM	2011	1 st ed.
SA	Small Animal ECGs: An Introductory Guide	Martin M	2015	3 rd ed.
SA	ECG Interpretation in the Critically Ill Dog and Cat	Day TK	2005	1 st ed.
Clinical Pathology				
Species	Title	Author/Editor	Year	Edition
Human	Hemostasis and thrombosis. Basic principles and clinical practice	Marder VJ, Aird WC, Bennett JS, et al (eds)	2012	6 th ed.
Emergency / Critical Care				
Species	Title	Author/Editor	Year	Edition
SA/LA	Advanced Monitoring and Procedures for Small Animal Emergency and Critical Care	Burkett Creedon JM, Davis H (eds)	2012	1 st ed.
SA	Small Animal Critical Care Medicine	Silverstein D, Hopper K (eds)	2008	1 st ed.
SA	Feline Emergency and Critical Care Medicine	Drobatz KJ, Reineke E, Costello MF, Culp WTN	2022	2 nd ed.
SA	Handbook of Canine and Feline Emergency Protocols	McMichael M	2014	2 nd ed.
SA	Basic Monitoring in Canine and Feline Emergency Patients	Thomovsky EJ, Johnson PA, Brooks AC		1 st ed.
Fluid Therapy, Acid-Base, Electrolyte				
Species	Title	Author/Editor	Year	Edition

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Human	Plumer's Principles and Practice of Infusion Therapy	Weinstein SM, Hagle ME	2014	9 th ed.
SA	Fluid therapy in Animals (Frontiers in Veterinary Science, Section in Comparative and Clinical Medicine) https://www.frontiersin.org/research-topics/11754/fluid-therapy-in-animals#articles	Muir WW, Silverstein DC, Hughes D	2021	-
Infectious Disease				
Species	Title	Author/Editor	Year	Edition
LA/SA	Antimicrobial Therapy in Veterinary Medicine	Giguere S, Prescott JF, Dowling PM (eds)	2013	5 th ed.
Internal Medicine				
Species	Title	Author/Editor	Year	Edition
LA	Robinson's Current Therapy in Equine Medicine	Sprayberry KA and Robinson NE	2015	7 th ed.
Human	Vander's Renal Physiology	Eaton DC, Pooler JP	2018	9 th ed.
Human	Renal Physiology	Koeppen BM, Stanton BA	2018	6 th ed.
Human	Renal Pathophysiology	Rennke HG, Denker BM	2019	5 th ed.
Human	Brenner & Rector's The Kidney	Yu AS, Chertow GM, Luyckx V, Marsden PA, Skorecki K, Taal MW.	2019	11 th ed.
SA	Kirk's Current Veterinary Therapy	Bonagura JD, Twedt DC (eds)	2008	14 th ed.
SA	Kirk's Current Veterinary Therapy	Bonagura JD, Twedt DC (eds)	2014	15 th ed.
SA	Saunders Solutions in Veterinary Practice: Small Animal Gastroenterology	Chandler M	2011	1 st ed.
SA	Small Animal Gastroenterology	Steiner J (ed)	2006	1 st ed.
SA	BSAVA Manual of Endocrinology	Mooney C, Peterson M	2012	4 th ed.
Mechanical Ventilation				
Species	Title	Author/Editor	Year	Edition
Human	Management of the Mechanically Ventilated Patient	Pierce LNB	2006	2 nd ed.
Human	Rapid Interpretation of Ventilator Waveforms	Waugh JB, Deshpande VM, Brown MK, Harwood R	2006	2 nd ed.
Medical Physiology				
Species	Title	Author/Editor	Year	Edition
Human	Nunn's Applied Respiratory Physiology	Lumb AB	2018	8 th ed.
Human	Pulmonary Pathophysiology: The Essentials	West JB	2017	9 th ed.
LA/SA	Review of Veterinary Physiology	Engelking LR	2002	1 st ed.
Human	Physiology	Costanzo LS	2017	7 th ed.
Neurology				
Species	Title	Author/Editor	Year	Edition
LA/SA	Veterinary Neuroanatomy and Clinical Neurology	de Lahunta A, Glass EN	2008	3 rd ed.
SA	Fundamentals of Veterinary Clinical Neurology	Bagley RS	2005	1 st ed.
Pharmacology				
Species	Title	Author/Editor	Year	Edition

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Human	Drugs for the Heart	Opie LH, Gersh BH (eds)	2013	8 th ed.
LA/SA	Plumb's Veterinary Drug Handbook	Plumb DC	2018	9 th ed.
Surgery				
Species	Title	Author/Editor	Year	Edition
SA/LA	Textbook of Small Animal Surgery	Slatter D (ed)	2003	3 rd ed.
SA	Complications in Small Animal Surgery	Griffon DJ, Hamaide A (eds)	2016	1 st ed.