

ACVECC Knowledge List 2018

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.

Large Animal Candidates sitting the examination in September 2018 are responsible for journal articles from the calendar year 2013-2017, and book titles published during or before 2017, and the Large Animal Additional article list.

Small Animal Candidates sitting the examination in September 2018 are responsible for journal articles from calendar years 2015-2017, and book titles published during or before 2017, and the Small Animal Additional article list.

Both Large Animal (LA) and Small Animal (SA) candidates sitting the General MCQ examination in September 2018 are responsible for journal articles from calendar years 2015-2017, and the journal articles that appear in both the Small Animal and 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.

Required
Am J Vet Research
Crit Care Med
Eq Vet J
J Am Vet Med Assoc
J Vet Emerg Crit Care
J Vet Int Med
New Engl J Med
Vet Clin North Am Eq Pract
Vet J
Vet Surg (for LA candidates)

Supplemental
Australian Veterinary Journal
Can Vet J
Chest
Circ Arrhythm Electrophysiol
Circ Heart Fail
Circulation
Crit Care Clin
Curr Opin Crit Care
Intensive Care Med
J Am Anim Hosp Assoc
Journal of Feline Medicine and Surgery

Supplemental
J Sm Anim Pract
J Trauma
J Vet Cardiol
Shock
Top Companion Anim Med
Vet Anaesth Analg
Vet Clin North Am SA Pract
Veterinary Clinical Pathology
Vet Radiol Ultrasound
Vet Surg (for SA candidates)

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)

Anesthesia				
Species	Title	Author/Editor	Year	Edition
LA	Equine Anesthesia: Monitoring and Emergency Therapy	Muir WW, Hubbell JAE	2008	2 nd ed.
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.
Cardiovascular				
Species	Title	Author/Editor	Year	Edition
SA	Cardiovascular Disease in Small Animal Medicine	Ware, W	2011	Revised 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.
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)	2014	4 th ed.
Human	Textbook of Critical Care	Vincent JL, Abraham E, Kochanek P, Moore FA, Fink MP (eds)	2017	7 th ed.
LA	The Equine Hospital Manual	Corley K, Stephen J (eds)	2009	1 st ed.
LA	Equine Emergencies: Treatment and Procedures	Orsini JA, Divers T (eds)	2014	4 th ed.
LA	Equine Emergency and Critical Care Medicine	Southwood L, Wilkins PA (eds)	2014	1 st ed.
SA	Advanced Monitoring and Procedures for Small Animal Emergency and Critical Care	Burkett Creedon JM, Davis H (eds)	2012	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	
SA	Veterinary Emergency and Critical Care Manual	Mathews KA	2006	2 nd ed.
SA	Small Animal Critical Care Medicine	Silverstein D, Hopper K (eds)	2014	2 nd 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, Goldstein MB, Kamel KS	2010	4 th ed.
Human	Clinical Physiology of Acid-Base and Electrolyte Disorders	Rose BD, Post T	2001	5 th ed.
SA	Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice	DiBartola SP (ed)	2011	4 th ed.
LA	Equine Fluid Therapy	Fielding CL, Magdesian KG	2015	1 st ed
Imaging				
Species	Title	Author/Editor	Year	Edition
LA/SA	Textbook of Veterinary Diagnostic Radiology	Thrall DE (ed)	2012	6 th ed.
SA	Focused Ultrasound Techniques for the Small Animal Practitioner	Lisciandro GR (ed)	2014	1 st ed.
Infectious Disease				
Species	Title	Author/Editor	Year	Edition
LA	Equine Infectious Diseases	Sellon DC, Long M (eds)	2013	2 nd ed.
LA	Infectious Diseases of the Horse	Van de Kolk JH, Veldhuis Kroeze EJB (eds)	2013	
SA	Infectious Diseases of the Dog And Cat	Greene CE (ed)	2011	4 th ed.
Internal Medicine				
Species	Title	Author/Editor	Year	Edition
LA	Equine Internal Medicine	Reed S, Bayly W, Sellon D (eds)	2010	3 rd ed.
LA	Large Animal Internal Medicine	Smith BP	2014	5 th ed.
LA	Robinson's Current Therapy in Equine Medicine 7	Sprayberry KA and Robinson NE	2015	7 th ed
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	2010	1 st 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	
Mechanical Ventilation				
Species	Title	Author/Editor	Year	Edition
Human	Essentials of Mechanical Ventilation	Hess D, Kacmarek R	2014	3 rd ed
Human	Mechanical Ventilation	MacIntyre NR, Branson RD	2008	2 nd ed.
Human	Mechanical Ventilation: Physiological and Clinical Applications	Cairo JM (ed)	2015	6 th ed.

Human	Principles and Practice of Mechanical Ventilation	Tobin MJ (ed)	2012	3 rd ed.
Medical Physiology				
Species	Title	Author/Editor	Year	Edition
Human	Ganong's Review of Medical Physiology	Barrett KE, Barman SM, Boitano S, Brooks JL	2015	25 th ed.
Human	Medical Physiology: A Cellular and Molecular Approach	Boron WF, Boulpaep, EL	2012	Updated ed.
Human	Guyton And Hall Textbook of Medical Physiology	Hall JE	2015	13 th ed.
Human	Berne & Levy Principles of Physiology	Koeppen BM, Stanton BA	2010	6 th ed.
LA/SA	Cunningham's Textbook of Veterinary Physiology	Klein BG (ed)	2013	5 th ed.
Neurology				
Species	Title	Author/Editor	Year	Edition
LA	Equine Neurology	Furr M, Reed S (eds)	2015	2 nd ed.
LA/SA	Veterinary Neuroanatomy and Clinical Neurology	de Lahunta A, Glass EN	2014	4 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	
SA	BSAVA Manual of Canine and Feline Neurology	Platt S, Olby N	2013	4 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	Withrow SJ, Vail DM, Page R (eds)	2013	5 th ed.
Ophthalmology				
Species	Title	Author/Editor	Year	Edition
LA/SA	Essentials of Veterinary Ophthalmology	Gelatt, KN (ed)	2014	3 rd ed.
LA/SA	Slatter's Fundamentals of Veterinary Ophthalmology	Maggs D, Miller P	2012	5 th ed.
LA	Equine Ophthalmology	Gilger B	2010	2 nd 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	Equine Pharmacology	Cole C, Bentz B	2014	1 st ed.
LA/SA	Veterinary Pharmacology and Therapeutics	Riviere JE Papich MG	2009	9 th ed.
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.
Surgery				
Species	Title	Author/Editor	Year	Edition
LA	Equine Surgery	Auer JA, Stick JA (eds)	2012	4 th ed.
SA	Small Animal Surgery	Fossum TW (ed)	2012	4 th 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)	2012	2 nd ed.
LA/SA	Clinical Veterinary Toxicology	Plumlee K	2004	
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

Supplemental Reading List: Textbooks

The following are supplemental reading materials that can also be reviewed in these topic areas for the species of interest.

Anesthesia				
Species	Title	Author/Editor	Year	Edition
LA/SA	Handbook of Veterinary Pain Management	Gaynor JS, Muir WW	2008	2 nd 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	2010	
SA	Canine and Feline Anesthesia and Co-Existing Disease	Snyder LBC, Johnson RA	2014	
LA/SA	Lumb and Jones' Veterinary Anesthesia	Tranquilli WJ, Thurmon JC, Grimm KA (eds)	2007	4 th ed.
Cardiovascular				
Species	Title	Author/Editor	Year	Edition
Human	Hemodynamic Monitoring: Evolving techniques and clinical practice	Lough ME	2015	1 st ed.
Human	Cardiovascular Physiology	Mohrman DE Heller LJ	2013	8 th ed.
Human	Heart Physiology: From Cell to Circulation	Opie LH	2003	4 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.
SA	Manual of Canine and Feline Cardiology	Tilley LP, Smith FWK, Oyama M, Sleeper MM	2007	4 th ed.
Coagulation				
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
Human	Textbook of Critical Care	Fink MP, Abraham E, Vincent J-L, Kochanek PM (eds)	2005	5 th ed.
SA	Small Animal Critical Care Medicine	Silverstein D, Hopper K (eds)	2008	
SA	Critical Care – Quick Look Series	Murtaugh R	2002	2 nd ed.
SA	Handbook of Canine and Feline Emergency Protocols	McMichael M	2014	1 st ed.
Fluid Therapy, Acid-Base, Electrolyte				
Species	Title	Author/Editor	Year	Edition
Human	Clinical Blood Gases: Assessment and Intervention	Malley WJ	2004	2 nd ed.
Human	All You Really Need to Know to Interpret Arterial Blood Gases	Martin L	1999	2 nd ed.
Human	Plumer's Principles and Practice of Infusion Therapy	Weinstein SM, Hagle ME	2014	9 th ed.
Imaging				
Species	Title	Author/Editor	Year	Edition
LA/SA	Textbook of Veterinary Diagnostic Radiology	Thrall DE (ed)	2013	6 th ed.
SA	Atlas of Small Animal Ultrasonography	Penninck D, d'Anjou MA (eds)	2008	1 st ed.
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
Human	Vander's Renal Physiology	Eaton DC, Pooler JP	2013	8 th ed.
Human	Renal Physiology	Koeppen BM, Stanton BA	2012	5 th ed.
Human	Renal Pathophysiology	Rennke HG, Denker BM	2013	4 th ed.
Human	Brenner & Rector's The Kidney	Skorecki K, Chertow GM, Marsden PA, Taal MW, Yu ASL (eds)	2015	10 th ed.
LA	Large Animal Internal Medicine	Smith BP	2009	4 th ed.
SA	Canine and Feline Endocrinology and Reproduction	Feldman EC, Nelson RW	2003	3 rd 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	Essentials of Mechanical Ventilation	Hess DR, Kacmarek RM	2002	2 nd ed.
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.
Human	Mechanical Ventilation: Physiological and Clinical Applications	Pilbeam SP Cairo JM (eds)	2011	5 th ed.
Medical Physiology				
Species	Title	Author/Editor	Year	Edition
Human	Nunn's Applied Respiratory Physiology	Lumb AB	2010	7 th ed.
Human	Ganong's Review of Medical Physiology	Barrett KE, Brooks H, Boitano S, Barman SM	2010	23 rd ed.
Human	Guyton And Hall Textbook of Medical Physiology	Hall JE	2011	12 th ed.
Human	Medical Physiology: A Cellular and Molecular Approach	Boron WF, Boulpaep, EL	2008	2 nd ed.
Human	Pulmonary Pathophysiology: The Essentials	West JB	2013	8 th ed.
Human	Respiratory Physiology	West JB	2011	9 th ed.
LA/SA	Review of Veterinary Physiology	Engelking LR	2002	1 st ed.
Human	Physiology	Costanzo LS	2013	5 th ed.
Neurology				
Species	Title	Author/Editor	Year	Edition
LA	Equine Neurology	Furr M, Reed S (eds)	2008	1 st ed.
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.
SA	A Practical Guide to Canine and Feline Neurology	Dewey CW (ed)	2008	2 nd ed.
Ophthalmology				
Species	Title	Author/Editor	Year	Edition
LA/SA	Essentials of Veterinary Ophthalmology	Gelatt, KN (ed)	2008	2 nd ed.
Pharmacology				

Species	Title	Author/Editor	Year	Edition
Human	Drugs for the Heart	Opie LH, Gersh BH (eds)	2013	8 th ed.
LA	Equine Clinical Pharmacology	Bertone J, Horspool LJ	2004	1 st ed.
Surgery				
SA	Small Animal Surgery	Fossum TW	2007	3 rd ed.
SA	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.
Toxicology				
Species	Title	Author/Editor	Year	Edition
LA/SA	Veterinary Toxicology: Basic and Clinical Principles	Gupta RC (ed)	2007	1 st ed.