

ACVIM Neurology Candidate Study Guidelines

Suggested Study Materials

The list of suggested reference materials is meant to guide Candidates in preparing for the Examination and represent a body of knowledge that a Candidate would know. While the most up to date publications may not be present on this list, as a best practice residents should have exposure to current literature as an ongoing part of their residency training programs. Specific recommendations for exam preparation cannot be made beyond the clinical training gained from participation in a residency program.

Textbooks

When more than one edition is available, reference the most current published edition / version of the textbook, available immediately following the most recent relevant ACVIM examination administration date.

Core textbooks are those in which the entire textbook contributes to a comprehensive knowledge base of the relevant Specialty or the General Examination.

1. A Practical Guide to Canine and Feline Neurology: 3rd Edition, pub. 2015 (Dewey, CW)
2. An Atlas of Surgical Approaches to the Bones and Joints of the Dog and Cat: 5th Edition, pub. 2014 (Piermattei, DL)
3. Basic Neuroscience: Anatomy & Physiology: 2nd Edition, 1991 (Guyton, AC)
4. BSAVA Manual of Canine and Feline Neurology: 4th Edition, 2013 (Platt, SR) (new edition coming September '25)
5. Current Techniques in Canine and Feline Neurosurgery: 1st Edition, 2017 (Shores, Brisson)
6. Deafness in Dogs and Cats: 1st Edition, 2011 (Strain, GM)
7. Electrodiagnosis In Veterinary Neurology. Electromyography, Nerve Conduction Studies, And Evoked Responses. (Cuddon, P)
8. Equine Neurology: 2nd Edition, 2015 (Furr, Reid)
9. Fundamentals of Canine Neuroanatomy and Neurophysiology: 1st Edition, 2015 (Uemura, EE)
10. Histological Classification of Tumors of the Nervous System of Domestic Animals: 1st Edition, 1999 (Koestner, A)

11. Infectious Diseases of the Dog and Cat: 5th Edition, 2022 (Greene, CE)
12. Large Animal Neurology: 3rd Edition, 2022 (Mayhew, MacKay)
13. Miller's Anatomy of the Dog: 5th Edition, 2019 (Evans, HE)
14. Small Animal Neurological Emergencies: 1st Edition, 2012 (Platt, SR)
15. Small Animal Spinal Disorders: Diagnosis and Surgery: 2nd Edition, 2005 (Wheeler, SJ)
16. Textbook of Veterinary Diagnostic Radiology: 7th Edition, 2018 (Thrall, DE) (new edition published late 2024)
17. deLahunta's Veterinary Neuroanatomy and Clinical Neurology: 5th Edition, 2020 (de Lahunta, Glass, Kent)
18. Veterinary Neuropathology: Essentials of Theory and Practice: 1st Edition, 2012 (Vandevelde, M)
19. Diagnostic MRI in Dogs and Cats: 1st Edition, 2018 (Mai, W)
20. Handbook of Veterinary Neurology: 5th Edition, 2010 (Lorenz, MD)

Supplemental textbooks are those that include select chapters, sections, or portions that contribute to an expanded understanding of the relevant Specialty or the General Examination.

1. Veterinary Ophthalmology (Gellatt, KN)
2. Veterinary Neuropathology (Summers, BA)
3. Veterinary Neurology (Oliver, JE)
4. Veterinary Drug Handbook (Plumb, DC)
5. Textbook of Small Animal Surgery (Slatter, D)
6. Physiological and Clinical Anatomy of the Domestic Mammals: Central Nervous System Vol. 1 (King, AS)
7. Fundamentals of Veterinary Clinical Neurology (Bagley, RS)
8. Clinical Syndromes in Veterinary Neurology (Braund, KG)
9. Veterinary Surgery; Small Animal (Tobias, Johnston)
10. Electrodiagnosis in Diseases of Nerve and Muscle: Principles and Practice (Kimura J)
11. Exercises in Veterinary Radiology: Spinal Disease (Morgan, JP)
12. MRI and CT Atlas of the Dog (Assheuer, J)
13. Textbook of Small Animal Surgery (Slatter, D)
14. Textbook of Veterinary Internal Medicine: Diseases of the Dog and Cat (Ettinger, SJ)
15. Veterinary Neuroanatomy: A Clinical Approach (Thomson, C)
16. Canine and Feline Epilepsy (Risio, Platt)

17. Practical Small Animal MRI (Gavin, PR)
18. Principles of Neural Science (Kandel, ER)
19. Fisch & Spehlmann's EEG primer: Basic principles of digital and analog EEG (Fisch, B)
20. Electromyography and Neuromuscular Disorders (Preston, DC)
21. Small Animal Surgery, 5th Edition (Fossum, TW)

Journals

Articles Published between July 2019 – June 2024

Core journals are veterinary journals containing articles contributing to a comprehensive knowledge base relating to the relevant Specialty.

1. American Journal Veterinary Research
2. Australian Veterinary Journal
3. BMC Veterinary Research
4. Canadian Veterinary Journal
5. Equine Veterinary Journal
6. Frontiers in Veterinary Neurology and Neurosurgery
7. Journal American Animal Hospital Association
8. Journal of the American Veterinary Medical Association
9. Journal of Feline Medicine and Surgery
10. Journal Small Animal Practice
11. Journal Veterinary Emergency and Critical Care
12. Journal Veterinary Internal Medicine
13. PLOS ONE
14. Progress in Veterinary Neurology
15. The Veterinary Journal
16. Topics in Companion Animal Medicine
17. Veterinary and Comparative Orthopaedic and Traumatology
18. Veterinary Radiology and Ultrasound
19. Veterinary Record
20. Veterinary Surgery

Supplemental journals may include both veterinary and/or non-veterinary journals that contain articles contributing to a more detailed understanding of, and/or different perspective on, important pathophysiologic, pharmacologic, diagnostic, management and/or therapeutic topics of significance to the relevant Specialty, which is not available

elsewhere, and/or is complementary to information covered by the “core” journals and textbooks.

1. Veterinary Clinics of North America Equine Practice: Clinical Neurology, 2011 (Divers, TJ)
2. Veterinary Clinics of North America Equine Practice: Selected Neurologic and Muscular Diseases, 1997 (Haussler, KK)
3. Veterinary Clinics of North America Exotic Practice: Exotic Animal Neurology, 2018 (Lofstedt, J)
4. Orosz, SE Veterinary Clinics of North America Exotic Practice: Neuroanatomy and Neurodiagnostics, 2007
5. Veterinary Clinics of North America Food Animal Practice: Food Animal Neurology, 2017 (Tell, LA)
6. Veterinary Clinics of North America Food Animal Practice: Ruminant Neurologic Diseases, 2004 (Washburn, KE)
7. Veterinary Clinics of North America Small Animal Practice: Neurology, 2018 (Constable, PD)
8. Veterinary Clinics of North America Small Animal Practice: Advances in Veterinary Neurology, 2014 (Kerwin, SC)
9. Veterinary Clinics of North America Small Animal Practice: Diseases of the Brain, 2010 (Olby, NJ)
10. Veterinary Clinics of North America Small Animal Practice: Diseases of the Spine, 2010 (Thomas, WB)
11. Veterinary Clinics of North America Small Animal Practice: Neuromuscular Diseases II, 2004 (Shelton, GD)
12. Veterinary Clinics of North America Small Animal Practice: Neuromuscular Diseases, 2002 (Shelton, GD)
13. Veterinary Clinics of North America Small Animal Practice: Common Neurologic Problems, 2000 (Thomas, WB)
14. Veterinary Clinical Pathology
15. Journal of Veterinary Pharmacology and Therapy
16. Compendium Continuing Education: Practicing Veterinarian
17. Journal Veterinary Diagnostic Investigation
18. Veterinary Immunology / Immunopathology
19. Veterinary Pathology

ACVIM Consensus Statements

All published ACVIM Consensus Statements.

Note: ACVIM Forum Proceedings are no longer considered appropriate allowable literature resources for the ACVIM General or Specialty Examinations.

Seminal Articles

Seminal articles and additional ACVIM Consensus Statements drawn from outside the aforementioned publication date limits.

1. Canine Inflammatory Myopathies: A Clinical Review of 200 Cases (Evans et al, JVIM 2004)
2. Spinal Shock – Comparative Aspects and Clinical Relevance (Smith, Jeffrey, JVIM 2005)
3. The Pathogenesis and Treatment of Acute Spinal Cord Injuries in Dogs (Olby, VCNA Vol. 40, Issue 5, 2010)
4. Magnetic Resonance Imaging Features of Discospondylitis in Dogs (Carrera et al, Vet Rad & Ultrasound, Volume 52, Issue 2, 2010)
5. Comparison of the Effect of Single-Site and Multiple-Site Disk Fenestration on the Rate of Recurrence of Thoracolumbar Intervertebral Disc Herniation in Dogs. (Brisson Ba et al, JAVMA, 2011;238:1593-1600.
6. Recurrent Thoracolumbar Intervertebral Disc Extrusion after Hemilaminectomy and Concomitant Prophylactic Fenestration in 662 Chondrodystrophic Dogs. (Aikawa T. et al. Vet Surgery 41 (2012), 381-390.
7. Syringomyelia: Current Concepts in Pathogenesis, Diagnosis and Treatment. (Rusbridge C et al. J Vet Intern Med 2006;20: 469-479.)
8. Koehler, J. W. *et al.* A Revised Diagnostic Classification of Canine Glioma: Towards Validation of the Canine Glioma Patient as a Naturally Occurring Preclinical Model for Human Glioma. *J Neuropathology Exp Neurology* 8, 324ps5 (2018).
9. Brown, E. A. *et al.* FGF4 Retrogene on CFA12 is Responsible for Chondrodystrophy and Intervertebral Disc Disease in Dogs. *Proc National Acad Sci* 114, 11476–11481 (2017).
10. Charalambous, M. *et al.* Intranasal Midazolam versus Rectal Diazepam for the Management of Canine Status Epilepticus: A Multicenter Randomized Parallel-Group Clinical Trial. *J Vet Intern Med* 31, 1149–1158 (2017).
11. Lowrie, M., Garden, O. A., Hadjivassiliou, M., Sanders, D. S., Powell, R., & Garosi, L. (2018). Characterization of Paroxysmal Gluten-Sensitive Dyskinesia in Border Terriers Using Serological Markers. *J Vet Intern Med*, 32(2), 775-781. doi:10.1111/jvim.15038

12. Kent, M., Glass, E. N., de Lahunta, A., Platt, S. R., & Haley, A. (2013). Prevalence of Effusion in the Tympanic Cavity in Dogs with Dysfunction of the Trigeminal Nerve: 18 cases (2004-2013). *J Vet Intern Med*, 27(5), 1153-1158. doi:10.1111/jvim.12140
13. Westworth, D. R., Dickinson, P. J., Vernau, W., Johnson, E. G., Bollen, A. W., Kass, P. H., Sturges, B. K., Vernau, K. M., Lecouteur, R. A., & Higgins, R. J. (2008). Choroid Plexus Tumors in 56 dogs (1985-2007). *J Vet Intern Med*, 22(5), 1157-1165. doi:10.1111/j.1939-1676.2008.0170.x