

# 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. Fitzpatrick, D., Augustine, G., & Purves, D. (Eds.). (2018). Neuroscience (Sixth edition.). Oxford University Press.
3. BSAVA Manual of Canine and Feline Neurology: 4th Edition, 2013 (Platt, SR)
4. Current Techniques in Canine and Feline Neurosurgery: 1st Edition, 2017 (Shores, Brisson)
5. Deafness in Dogs and Cats: 1st Edition, 2011 (Strain, GM)
6. Electrodiagnosis In Veterinary Neurology. Electromyography, Nerve Conduction Studies, And Evoked Responses. (Cuddon, P)
7. Equine Neurology: 2nd Edition, 2015 (Furr, Reid)
8. Fundamentals of Canine Neuroanatomy and Neurophysiology: 1st Edition, 2015 (Uemura, EE)
9. Infectious Diseases of the Dog and Cat: 5th Edition, 2022 (Greene, CE)
10. Large Animal Neurology: 3rd Edition, 2022 (Mayhew, MacKay)
11. Miller's Anatomy of the Dog: 5th Edition, 2019 (Evans, HE)
12. Small Animal Neurological Emergencies: 1st Edition, 2012 (Platt, SR)
13. Small Animal Spinal Disorders: Diagnosis and Surgery: 2nd Edition, 2005 (Wheeler, SJ)
14. Textbook of Veterinary Diagnostic Radiology: 7th Edition, 2018 (Thrall, DE) (new edition published late 2024)

15. deLahunta's Veterinary Neuroanatomy and Clinical Neurology: 5th Edition, 2020 (de Lahunta, Glass, Kent)
16. Veterinary Neuropathology: Essentials of Theory and Practice: 1st Edition, 2012 (Vandevelde, M)
17. Diagnostic MRI in Dogs and Cats: 1st Edition, 2018 (Mai, W)
18. 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 Veterinary Internal Medicine: Diseases of the Dog and Cat (Ettinger, SJ)
14. Veterinary Neuroanatomy: A Clinical Approach (Thomson, C)
15. Canine and Feline Epilepsy (Risio, Platt)
16. Practical Small Animal ul (Gavin, PR)
17. Principles of Neural Science (Kandel, ER)
18. Fisch & Spehlmann's EEG primer: Basic principles of digital and analog EEG (Fisch, B)
19. Electromyography and Neuromuscular Disorders (Preston, DC)
20. Small Animal Surgery, 5<sup>th</sup> Edition (Fossum, TW)
21. Handbook[SZ1.1] of Veterinary Anesthesia. Fifth Edition. 2013. William Muir. John Hubbell. Richard Bednarski. Phillip Lerche.

22. Wisner[SZ1.1] E and Zwingenberger A. Atlas of small animal CT and MRI. Wiley Blackwell. 2015.

## Journals

Articles Published between July 2020 – June 2025

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 drawn from outside the aforementioned publication date limits.

1. Evans J, Levesque D, Shelton GD. Canine inflammatory myopathies: a clinicopathologic review of 200 cases. *J Vet Intern Med.* 2004 Sep-Oct;18(5):679-91. doi: 10.1892/0891-6640(2004)18<679:cimacr>2.0.co;2. PMID: 15515585.
2. Olby N. The pathogenesis and treatment of acute spinal cord injuries in dogs. *Vet Clin North Am Small Anim Pract.* 2010 Sep;40(5):791-807. doi: 10.1016/j.cvsm.2010.05.007. PMID: 20732592.
3. Carrera I, Sullivan M, McConnell F, Gonçalves R. Magnetic resonance imaging features of discospondylitis in dogs. *Vet Radiol Ultrasound.* 2011 Mar-Apr;52(2):125-31. doi: 10.1111/j.1740-8261.2010.01756.x. Epub 2010 Dec 28. PMID: 21388462.
4. Rusbridge C, Greitz D, Iskandar BJ. Syringomyelia: current concepts in pathogenesis, diagnosis, and treatment. *J Vet Intern Med.* 2006 May-Jun;20(3):469-79. doi: 10.1892/0891-6640(2006)20[469:sccipd]2.0.co;2. PMID: 16734077.
5. Charalambous M, Bhatti SFM, Van Ham L, Platt S, Jeffery ND, Tipold A, Siedenbueg J, Volk HA, Hasegawa D, Gallucci A, Gandini G, Musteata M, Ives E, Vanhaesebrouck AE. Intranasal Midazolam versus Rectal Diazepam for the Management of Canine Status Epilepticus: A Multicenter Randomized Parallel-Group Clinical Trial. *J Vet Intern Med.* 2017 Jul;31(4):1149-1158. doi: 10.1111/jvim.14734. Epub 2017 May 24. PMID: 28543780; PMCID: PMC5508334.
6. Lowrie M, Garden OA, Hadjivassiliou M, Sanders DS, Powell R, Garosi L. Characterization of Paroxysmal Gluten-Sensitive Dyskinesia in Border Terriers Using Serological Markers. *J Vet Intern Med.* 2018 Mar;32(2):775-781. doi: 10.1111/jvim.15038. Epub 2018 Feb 9. PMID: 29424456; PMCID: PMC5866963.
7. Shelton GD. Myasthenia gravis and congenital myasthenic syndromes in dogs and cats: A history and mini-review. *Neuromuscul Disord.* 2016 Jun;26(6):331-4. doi: 10.1016/j.nmd.2016.03.002. Epub 2016 Mar 10. PMID: 27080328.
8. Leblond G, Gaitero L, Moens NMM, Zur Linden A, James FMK, Monteith GJ, Runciman J. Computed Tomographic Analysis of Ventral Atlantoaxial Optimal Safe Implantation Corridors in 27 Dogs. *Vet Comp Orthop Traumatol.* 2017 Nov;30(6):413-423. doi: 10.3415/VCOT-17-03-0046. Epub 2017 Dec 4. PMID: 29202504.
9. May JL, Garcia-Mora J, Edwards M, Rossmeisl JH. An Illustrated Scoping Review of the Magnetic Resonance Imaging Characteristics of Canine and Feline Brain Tumors. *Animals (Basel).* 2024 Mar 29;14(7):1044. doi: 10.3390/ani14071044. PMID: 38612283; PMCID: PMC11010916.

10. Arnold SA, Platt SR, Gendron KP and West FD (2020) Imaging Ischemic and Hemorrhagic Disease of the Brain in Dogs. *Front. Vet. Sci.* 7:279. doi: 10.3389/fvets.2020.00279