

FELINE HEART HEALTH CERTIFICATE FURTHER READING

Module 1: Anatomy and Physiology of the Feline Heart

- Sadler TW. *Langman's medical embryology*. 11th ed. Philadelphia (PA): Lippincott Williams & Wilkins; 2010.
- Scansen BA, Schneider M, Bonagura JD. Sequential segmental classification of feline congenital heart disease. *J Vet Cardiol*. 2015;17(Suppl 1):S10-S52.

Module 2: The Feline Cardiovascular Physical Examination in Health and Disease

- Dijkstra E, Teske E, Szatmári V. Respiratory rate of clinically healthy cats measured in veterinary consultation rooms. *Vet J*. 2018;234:96-101.
- Ferasin L, Ferasin H, Cala A, et al. Prevalence and clinical significance of heart murmurs detected on cardiac auscultation in 856 cats. *Vet Sci*. 2022;9(10):564.
- Ferasin L, Ferasin H, Kilkenny E. Heart murmurs in apparently healthy cats caused by iatrogenic dynamic right ventricular outflow tract obstruction. *J Vet Intern Med*. 2020;34:1102-1107.
- Ferasin L, Kilkenny E, Ferasin H. Evaluation of N-terminal prohormone of brain natriuretic peptide and cardiac troponin-I levels in cats with systolic anterior motion of the mitral valve in the absence of left ventricular hypertrophy. *J Vet Cardiol*. 2020;30:23-31.
- Howell KL, Ferasin L, Walls A, et al. Prevalence of iatrogenic heart murmurs in a population of apparently healthy cats. *J Small Anim Pract*. 2022;63(8):597-602.
- Little CJ, Ferasin L, Ferasin H, et al. Purring in cats during auscultation: how common is it, and can we stop it? *J Small Anim Pract*. 2014;55(1):33-38.
- Ljungvall I, Rishniw M, Porciello F, et al. Sleeping and resting respiratory rates in healthy adult cats and cats with subclinical heart disease. *J Feline Med Surg*. 2014;16(4):281-290.
- Rishniw M, Thomas WP. Dynamic right ventricular outflow obstruction: a new cause of systolic murmurs in cats. *J Vet Intern Med*. 2002;16:547-552.
- Rodan I, Dowgray N, Carney HC, et al. 2022 AAFP/ISFM cat friendly veterinary interaction guidelines: approach and handling techniques. *J Feline Med Surg*. 2022;24(11):1093-1132.
- Vliegenthart T, Szatmári V. A new, easy-to-learn, fear-free method to stop purring during cardiac auscultation in cats. *Animals*. 2025;15(2):236.

Module 3: Feline Cardiac Diseases Overview

- Fox PR, Keene BW, Lamb K, et al. International collaborative study to assess cardiovascular risk and evaluate long-term health in cats with preclinical hypertrophic cardiomyopathy and apparently healthy cats: the REVEAL study. *J Vet Intern Med*. 2018;32(3):930-943.
- Fox PR, Keene BW, Lamb K, et al. Long-term incidence and risk of noncardiovascular and all-cause mortality in apparently healthy cats and cats with preclinical hypertrophic cardiomyopathy. *J Vet Intern Med*. 2019;33(6):2572-2586.
- 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*. 2020;34(3):1062-1077.
- Miller MS, Tilley LP. Echocardiography for the diagnosis and staging of feline cardiomyopathy. In: Norsworthy GD, editor. *The Feline Patient*. 5th ed. Hoboken (NJ): Wiley-Blackwell; 2018.
- Payne JR, Brodbelt DC, Luis Fuentes V. Cardiomyopathy prevalence in 780 apparently healthy cats in rehoming centres (the CatScan study). *J Vet Cardiol*. 2015;17(Suppl 1):S244-S257.

FELINE HEART HEALTH CERTIFICATE FURTHER READING

Module 4: Non-echocardiographic Cardiovascular Diagnostics

- Bijsmans ES, Jepson RE, Wheeler C, et al. Plasma N-terminal probrain natriuretic peptide, vascular endothelial growth factor, and cardiac troponin I as novel biomarkers of hypertensive disease and target organ damage in cats. *J Vet Intern Med*. 2017;31(3):650-660.
- Borgeat K, Connolly DJ, Luis Fuentes V, et al. Association of the myosin-binding protein C3 mutation (MYBPC3 R820W) with cardiac death in a survey of 236 Ragdoll cats. *J Vet Cardiol*. 2014;16(2):73-80.
- Borgeat K, Niessen SJM, Wilkie L, et al. Time spent with cats is never wasted: lessons learned from feline acromegalic cardiomyopathy, a naturally occurring animal model of the human disease. *PLoS One*. 2018;13(3):e0194342.
- Carter J. Hypertensive ocular disease in cats: a guide to fundic lesions to facilitate early diagnosis. *J Feline Med Surg*. 2019;21(1):35-45.
- Feline Veterinary Medical Association (FelineVMA). Hypertension toolkit [Internet]. [cited 2026 Apr 20]. Available from: www.catvets.com/hypertension
- Granström S, Godiksen MTN, Christiansen M, et al. Genotype-phenotype correlation between the cardiac myosin-binding protein C mutation A31P and hypertrophic cardiomyopathy in a cohort of Maine Coon cats: a longitudinal study. *J Vet Cardiol*. 2015;17(Suppl 1):S268-S281.
- Kittleson MD, Côté E. The feline cardiomyopathies: 1. General concepts. *J Feline Med Surg*. 2021;23(11):1009-1027.
- Menaut P, Connolly DJ, Volk A, et al. Circulating natriuretic peptide concentrations in hyperthyroid cats. *J Small Anim Pract*. 2012;53(12):673-678.
- North Carolina State University College of Veterinary Medicine. Cats with hypertrophic cardiomyopathy: the HALT HCM study [Internet]. Raleigh (NC): North Carolina State University; 2025 Mar 18 [cited 2026 Apr 20]. Available from: <https://cvm.ncsu.edu/cats-with-hypertrophic-cardiomyopathy-the-halt-hcm-study/>
- Payne JR, Borgeat K, Brodbelt DC, et al. Risk factors associated with sudden death vs congestive heart failure or arterial thromboembolism in cats with hypertrophic cardiomyopathy. *J Vet Cardiol*. 2015;17(Suppl 1):S318-S328.
- Payne JR, Brodbelt DC, Luis Fuentes V. Cardiomyopathy prevalence in 780 apparently healthy cats in rehoming centres (the CatScan study). *J Vet Cardiol*. 2015;17(Suppl 1):S244-S257.
- Rodan I, Dowgray N, Carney HC, et al. 2022 AAFP/ISFM cat friendly veterinary interaction guidelines: approach and handling techniques. *J Feline Med Surg*. 2022;24(11):1093-1132.
- Taylor S, St Denis K, Collins S, et al. 2022 ISFM/AAFP cat friendly veterinary environment guidelines. *J Feline Med Surg*. 2022;24(11):1133-1163.

Module 5: Point-of-Care Ultrasound

- Janson CO, Hezzell MJ, Oyama MA, et al. Focused cardiac ultrasound and point-of-care NT-proBNP assay in the emergency room for differentiation of cardiac and noncardiac causes of respiratory distress in cats. *J Vet Emerg Crit Care (San Antonio)*. 2020;30(4):376-383.
- Loughran K. Focused cardiac ultrasonography in cats. *Vet Clin North Am Small Anim Pract*. 2021;51(6):1183-1202.
- Loughran KA, Rush JE, Rozanski EA, et al. The use of focused cardiac ultrasound to screen for occult heart disease in asymptomatic cats. *J Vet Intern Med*. 2019;33(5):1892-1901.

FELINE HEART HEALTH CERTIFICATE FURTHER READING

- Swanstein H, Boysen S, Cole L. Feline friendly POCUS: how to implement it into your daily practice. *J Feline Med Surg*. 2024;26(9):1098612X241276916.
- Ward JL, Lisciandro GR, Ware WA, et al. Evaluation of point-of-care thoracic ultrasound and NT-proBNP for the diagnosis of congestive heart failure in cats with respiratory distress. *J Vet Intern Med*. 2018;32(5):1530-1540.

Module 6: Cardiomyopathies I: Hypertrophic Cardiomyopathy

- Boeykens F, Abitbol M, Anderson H, et al. Classification of feline hypertrophic cardiomyopathy-associated gene variants according to the American College of Medical Genetics and Genomics guidelines. *Front Vet Sci*. 2024;11:1327081.
- Feline Veterinary Medical Association (FelineVMA). Hypertension toolkit [Internet]. [cited 2026 Apr 20]. Available from: www.catvets.com/hypertension
- Fox PR, Keene BW, Lamb K, et al. International collaborative study to assess cardiovascular risk and evaluate long-term health in cats with preclinical hypertrophic cardiomyopathy and apparently healthy cats: the REVEAL study. *J Vet Intern Med*. 2018;32(3):930-943.
- Häggström J, Luis Fuentes V, Wess G. Screening for hypertrophic cardiomyopathy in cats. *J Vet Cardiol*. 2015;17(Suppl 1):S134-S149.
- Hogan DF, Fox PR, Jacob K, et al. Secondary prevention of cardiogenic arterial thromboembolism in the cat: the double-blind, randomized, positive-controlled feline arterial thromboembolism; clopidogrel vs aspirin trial (FAT CAT). *J Vet Cardiol*. 2015;17(Suppl 1):S306-S317.
- Kaplan JL, Rivas VN, Connolly DJ. Advancing treatments for feline hypertrophic cardiomyopathy: the role of animal models and targeted therapeutics. *Vet Clin North Am Small Anim Pract*. 2023;53(6):1293-1308.
- 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*. 2020;34(3):1062-1077.
- Novo Matos J, Payne JR. Predicting development of hypertrophic cardiomyopathy and disease outcomes in cats. *Vet Clin North Am Small Anim Pract*. 2023;53(6):1277-1292.

Module 7: Cardiomyopathies II: Other Cardiomyopathies

- Boon JA. *Veterinary echocardiography*. 2nd ed. Ames (IA): Wiley-Blackwell; 2011.
- Keene BW, Atkins CE, Bonagura JD, et al. ACVIM consensus guidelines for the diagnosis and treatment of myxomatous mitral valve disease in dogs. *J Vet Intern Med*. 2019;33(3):1127-1140.
- 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*. 2020;34(3):1062-1077.
- Norsworthy GD, editor. *The Feline Patient*. 5th ed. Hoboken (NJ): Wiley-Blackwell; 2018.

Module 8: Congestive Heart Failure

- Benigni L, Morgan N, Lamb CR. Radiographic appearance of cardiogenic pulmonary oedema in 23 cats. *J Small Anim Pract*. 2009;50(1):9-14.
- Ferasin L, DeFrancesco T. Management of acute heart failure in cats. *J Vet Cardiol*. 2015;17(Suppl 1):S173-S189.

FELINE HEART HEALTH CERTIFICATE FURTHER READING

- Ferasin L, Ferasin H, Farminer J, et al. Diagnostic value of a point-of-care cardiac troponin-I assay (i-STAT®) for clinical application in canine and feline cardiology. *J Vet Cardiol.* 2024;56:35-43.
- King JN, Martin M, Chetboul V, et al. Evaluation of benazepril in cats with heart disease in a prospective, randomized, blinded, placebo-controlled clinical trial. *J Vet Intern Med.* 2019;33(6):2559-2571.
- Lombardo SF, Ferasin H, Ferasin L. Subcutaneous furosemide therapy for chronic management of refractory congestive heart failure in dogs and cats. *Animals (Basel).* 2025;15(3):358.
- Rodan I, Dowgray N, Carney HC, et al. 2022 AAEP/ISFM cat friendly veterinary interaction guidelines: approach and handling techniques. *J Feline Med Surg.* 2022;24(11):1093-1132.
- Schober KE, Rush JE, Luis Fuentes V, et al. Effects of pimobendan in cats with hypertrophic cardiomyopathy and recent congestive heart failure: results of a prospective, double-blind, randomized, nonpivotal, exploratory field study. *J Vet Intern Med.* 2021;35(2):789-800.
- Taylor S, Chan DL, Villaverde C, et al. 2022 ISFM consensus guidelines on management of the inappetent hospitalised cat. *J Feline Med Surg.* 2022;24(7):614-640.
- Taylor S, St Denis K, Collins S, et al. 2022 ISFM/AAEP cat friendly veterinary environment guidelines. *J Feline Med Surg.* 2022;24(11):1133-1163.

Module 9: Cardiogenic Arterial Thromboembolism

- Brainard BM, Coleman AE, Kurosawa A, et al. Therapy with clopidogrel or rivaroxaban has equivalent impacts on recurrence of thromboembolism and survival in cats following cardiogenic thromboembolism: the SUPERCAT study. *J Am Vet Med Assoc.* 2024;263(4):1-10.
- Capodanno D, Bhatt DL, Eikelboom JW, et al. Dual-pathway inhibition for secondary and tertiary antithrombotic prevention in cardiovascular disease. *Nat Rev Cardiol.* 2020;17:242-257.
- Fudge JM, Page B, Mackrell A, et al. Blood loss and coagulation profile in pregnant and non-pregnant queens undergoing elective ovariohysterectomy. *J Feline Med Surg.* 2021;23(6):487-497.
- Fuentes VL. Arterial thromboembolism: risks, realities and a rational first-line approach. *J Feline Med Surg.* 2012;14(7):459-470.
- Guillaumin J, DeFrancesco TC, Scansen BA, et al. Bilateral lysis of aortic saddle thrombus with early tissue plasminogen activator (BLASTT): a prospective, randomized, placebo-controlled study in feline acute aortic thromboembolism. *J Feline Med Surg.* 2022;24(12):e535-e545.
- Hogan DF, Fox PR, Jacob K, et al. Secondary prevention of cardiogenic arterial thromboembolism in the cat: the FAT CAT trial (clopidogrel vs aspirin). *J Vet Cardiol.* 2015;17(Suppl 1):S306-S317.
- Johnson AJ, Rozanski EA, de Laforcade AM, et al. Viscoelastic coagulation monitoring parameters in cats with acute arterial thromboembolism. *J Vet Intern Med.* 2024;38(4):2045-2051.
- Li RH, Nguyen N, Stern JA, et al. Neutrophil extracellular traps in feline cardiogenic arterial thrombi: a pilot study. *J Feline Med Surg.* 2022;24(6):580-586.
- Li RH, Stern JA, Ho V, et al. Platelet activation and clopidogrel effects on ADP-induced platelet activation in cats with or without the A31P mutation in MYBPC3. *J Vet Intern Med.* 2016;30(5):1619-1629.
- Lo ST, Li RHL, Georges CJ, et al. Synergistic inhibitory effects of clopidogrel and rivaroxaban on platelet function and platelet-dependent thrombin generation in cats. *J Vet Intern Med.* 2023;37(4):1390-1400.

FELINE HEART HEALTH CERTIFICATE FURTHER READING

- Lo ST, Walker AL, Georges CJ, et al. Dual therapy with clopidogrel and rivaroxaban in cats with thromboembolic disease. *J Feline Med Surg*. 2022;24(4):277-283.
- Stokol T, Brooks M, Rush JE, et al. Hypercoagulability in cats with cardiomyopathy. *J Vet Intern Med*. 2008;22(3):546-552.
- Tablin F, Schumacher T, Pombo M, et al. Platelet activation in cats with hypertrophic cardiomyopathy. *J Vet Intern Med*. 2014;28(2):411-418.
- Tan AWK, Li RHL, Ueda Y, et al. Platelet priming and activation in naturally occurring thermal burn injuries and wildfire smoke exposure is associated with intracardiac thrombosis and spontaneous echocardiographic contrast in feline survivors. *Front Vet Sci*. 2022;9:892377.
- 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.
- Yeh NS, Shaverdian M, Li RHL. Evolving FATE: a new lens on the pathogenesis and management of feline cardiogenic arterial thromboembolism. *Animals*. 2025;15(11):1630.

Module 10: Managing Cats with Cardiac Disease in the Practice

- Bailey K, Briley J, Duffee L, et al. The American College of Veterinary Anesthesia and Analgesia small animal anesthesia and sedation monitoring guidelines 2025. *Vet Anaesth Analg*. 2025;52(4):377-385.
- Cummings School of Veterinary Medicine at Tufts University. HeartSmart: information on pets with heart disease [Internet]. North Grafton (MA): Tufts University; 2025 [cited 2026 Apr 20]. Available from: <https://vet.tufts.edu/foster-hospital-small-animals/specialty-services/cardiology/heartsmart>
- Feline Veterinary Medical Association (FelineVMA). Cat Friendly Practice® program [Internet]. [cited 2026 Apr 20]. Available from: www.catvets.com/cfp
- Feline Veterinary Medical Association (FelineVMA). Cat Friendly certificate program [Internet]. [cited 2026 Apr 20]. Available from: www.catvets.com/certificate
- Grubb T, Sager J, Gaynor JS, et al. 2020 AAHA anesthesia and monitoring guidelines for dogs and cats. *J Am Anim Hosp Assoc*. 2020;56(2):59-82.
- Li M, Wu Y, Chen H, et al. Effect of oral administration of pregabalin on physiological and echocardiographic variables in healthy cats. *J Feline Med Surg*. 2024;26(7):1098612X241250245.
- Pardo M, Spencer E, Odunayo A, et al. 2024 AAHA fluid therapy guidelines for dogs and cats. *J Am Anim Hosp Assoc*. 2024;60(4):131-163.
- Robertson SA, Gogolski SM, Pascoe P, et al. AAFP feline anesthesia guidelines. *J Feline Med Surg*. 2018;20(7):602-634.
- Rodan I, Dowgray N, Carney HC, et al. 2022 AAFP/ISFM cat friendly veterinary interaction guidelines: approach and handling techniques. *J Feline Med Surg*. 2022;24(11):1093-1132.
- Sanders RD, Maze M. Alpha₂-agonists and other sedatives and amnestics. In: Evers AS, Maze M, Kharasch ED, editors. *Anesthetic pharmacology: basic principles and clinical practice*. Cambridge: Cambridge University Press; 2011. p. 478-492.
- Simon BT, Steagall PV. Feline procedural sedation and analgesia: when, why and how. *J Feline Med Surg*. 2020;22(11):1029-1045.
- Taylor S, St Denis K, Collins S, et al. 2022 ISFM/AAFP cat friendly veterinary environment guidelines. *J Feline Med Surg*. 2022;24(11):1133-1163.

FELINE HEART HEALTH CERTIFICATE FURTHER READING

- Traas AM, Fleck T, Ellings A, et al. Ease of oral administration and owner-perceived acceptability of triglyceride oil, dissolving thin film strip, and gelatin capsule formulations to healthy cats. *Am J Vet Res*. 2010;71(6):610-614.
- Veronezi TM, Lopes DJ, Zardo IL, et al. Evaluation of the effects of gabapentin on the physiologic and echocardiographic variables of healthy cats: a prospective, randomized and blinded study. *J Feline Med Surg*. 2022;24(12):e498-e504.

Module 12: Client Education and Communication

- Cardiac Education Group [Internet]. Cardiac Education Group; [cited 2026 Apr 20]. Available from: <https://cardiaceducationgroup.org>
- Cummings School of Veterinary Medicine at Tufts University. CATCH questionnaire for external use [Internet]. [cited 2026 Apr 20]. Available from: <https://tufts.app.box.com/v/vet-hs-catch-questnr-ext-use>
- Feline Veterinary Medical Association (FelineVMA). End-of-life educational toolkit [Internet]. [cited 2026 Apr 20]. Available from: www.catvets.com/end-of-life
- Feline Veterinary Medical Association (FelineVMA). Giving cat medication [Internet]. [cited 2026 Apr 20]. Available from: www.catfriendly.com/giving-medication
- Kittleson MD, Côté E. The feline cardiomyopathies: 1. General concepts. *J Feline Med Surg*. 2021;23(11):1009-1027.
- 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*. 2020;34(3):1062-1077.
- Quimby J, Gowland S, Carney HC, et al. 2021 AAHA/AAFP feline life stage guidelines. *J Feline Med Surg*. 2021;23(3):211-233.
- Rodan I, Dowgray N, Carney HC, et al. 2022 AAFP/ISFM cat friendly veterinary interaction guidelines: approach and handling techniques. *J Feline Med Surg*. 2022;24(11):1093-1132.
- Taylor S, St Denis K, Collins S, et al. 2022 ISFM/AAFP cat friendly veterinary environment guidelines. *J Feline Med Surg*. 2022;24(11):1133-1163.

FelineVMA Caregiver Websites and Brochures

- Visiting Your Veterinarian
 - Website: www.catfriendly.com/cat-to-vet
 - Brochure:
 - Resource for Veterinary Professionals: <https://catvets.com/clinical-resources/client-brochures/#visiting-vet>
 - Resource for Clients: https://catfriendly.com/wp-content/uploads/2025/02/FelineVMA_VisitingYourVet_Web.pdf
- How Do I Know if My Cat is in Pain?
 - Website: www.catfriendly.com/pain
 - Brochure:
 - Resource for Veterinary Professionals: <https://catvets.com/clinical-resources/client-brochures/#pain>

FELINE HEART HEALTH CERTIFICATE FURTHER READING

- Resource for Clients: https://catfriendly.com/wp-content/uploads/2025/02/FelineVMA-Pain-Management_Web.pdf
- Nursing Care for Your Cat
 - Website: www.catfriendly.com/nursing-care
 - Brochure:
 - Resource for Veterinary Professionals: <https://catvets.com/clinical-resources/client-brochures/#nursing>
 - Resource for Clients: https://catfriendly.com/wp-content/uploads/2025/02/FelineVMA-Nursing-Care_Web.pdf
- Feline Anesthesia
 - Website: www.catfriendly.com/anesthesia
 - Brochure:
 - Resource for Veterinary Professionals: <https://catvets.com/clinical-resources/client-brochures/#anesthesia>
 - Resource for Clients: https://catfriendly.com/wp-content/uploads/2025/02/FelineVMA-Anesthesia-Broch_Web.pdf
- Your Cat's Life Stages
 - Website: www.catfriendly.com/life-stages
 - Brochure:
 - Resource for Veterinary Professionals: <https://catvets.com/clinical-resources/client-brochures/#life-stages>
 - Resource for Clients: https://catfriendly.com/wp-content/uploads/2025/12/FelineVMA_Life-Stages_12-25_Web.pdf
- Senior Cats Have Special Needs
 - Website: www.catfriendly.com/seniors
 - Brochure:
 - Resource for Veterinary Professionals: <https://catvets.com/clinical-resources/client-brochures/#senior>
 - Resource for Clients: https://catfriendly.com/wp-content/uploads/2025/02/FelineVMA_Sr.-Care-Guideline_Web.pdf
- Hospice and Palliative Care for Your Cat
 - Website: www.catfriendly.com/hospice
 - Brochure:
 - Resource for Veterinary Professionals: <https://catvets.com/clinical-resources/client-brochures/#hospice>
 - Resource for Clients: https://catfriendly.com/wp-content/uploads/2025/02/FelineVMA_HospicePallCare_Web.pdf
- See more caregiver-oriented resources at: <https://catfriendly.com/cat-caregiver-resources/>