CURICULUM VITAE

Associate Professor SIRILAK SURACHETPONG, DVM MS
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Teaching experience

Sirilak Surachetpong is an accomplished instructor at Chulalongkorn University, Thailand, where she specializes in teaching small animal internal medicine and cardiology to veterinary students. Sirilak has also provided numerous lectures on small animal cardiology and related topics for continuing education programs for Thai vets and vets from other countries, sharing her expertise and insights to help advance the knowledge and skills of veterinary professionals.

RESEARCH INTEREST

Small animal internal medicine and cardiology

EDUCATION

2016	Diplomate of Thai Board of Veterinary Medicine
2015	Diplomate of Asian Board of Veterinary Internal Medicine (Cardiology)
2008-2009	Postdoctoral fellowship Colorado State University, Fort Collin CO, United State
2008	PhD, Colorado State University, Fort Collin, CO, United States
2005	MS, Colorado State University, Fort Collins, CO, United States
2003	DVM, Chulalongkorn University, Bangkok, Thailand

HONORS AND AWARDS

2021	VPAT's VET IDOLS 2021 "Academic Practioner"
2019	Excellent Teaching Award Chulalongkorn University
2019	Best poster presentation award Laudhittirut T., Rujivipat N., Saringkarisate K., Soponpattana P., Tunwichai T., Surachetpong S.D. Accuracy of methods for diagnosing heart diseases in cats.

2018	Best presentation award Tantisuwat L., Puangampai P., Panpakdee P., Tangarsasilp T., Surachetpong S.D. Survival time and prognosis factors in hypertrophic cardiomyopathy cats with congestive heart failure. THAI JOURNAL OF VETERINARY MEDICINE. 2018; 48(4); 655-662.
2017	Good Research Award Fucharoen P., Pankham W., Thong-in S., Juengthanasomboon S., Surachetpong S.D. New methods to differentiate cardiac and non-cardiac disease cats from thoracic radiographs. THAI JOURNAL OF VETERINARY MEDICINE. 2017; 47(2); 199-205.

PUBLICATIONS

1. Kittirattanachai, A., Surachetpong, S.D. Estimation of left ventricular-arterial coupling using echocardiography in cats with hypertrophic cardiomyopathy. J Small Ani Prac. 2026; 13:1-7.
2. Ladkhoksung, K., Lerdkarnvijai, N., Ngamsawat, T., Khemapunmanus, N., Chantharadech, S., Asvaesoonthorn, P., Lekdumrongsak T., Surachetpong, S.D. A study of descriptive values of echocardiography in unanesthetized Syrian hamsters. Thai J Vet Med. 2026; 56(2):1-10.
3. Glaewketgarn, N., Surachetpong, S.D. Possible intervertebral disc disease related to ventricular tachycardia in a Labrador Retriever. Thai J Vet Med. 2026; 56(1): 1-5.
4. Tohthong, P., Tosuwan, J., Surachetpong, S.D. Left atrial stiffness as a novel echocardiographic parameter of atrial dysfunction in cats with hypertrophic cardiomyopathy: A two-dimensional speckle-tracking study. Vet World. 2025; 18(12): 4046-4055
5. Tangmahakul, N., Klomklao, J., Thanyapornsombat, D., Lertsubkhajohn, T., Piboonlapudom, W., Mettaviparee, S., Surachetpong, S.D. Assessment of the relationship particulate matter levels and respiratory diseases in dogs and cats in Bangkok, Thailand. Thai J Vet Med. 2025; 55(2):1-10.
6. Nadthagarn, G., Surachetpong, S.D. Assessment of longitudinal systolic function by using tissue motion annular displacement in hypertrophic cardiomyopathy cats. J Feline Med Surg. 2025; 27(4):1-9.
7. Tantitamtaworn, N., Adisaisakundet, I., Chairit, K., Choksomngam, S., Hunprasit, V., Jeamsripong, S., Surachetpong S.D. Parameters related to diagnosing hypertrophic cardiomyopathy. Open Vet J. 2024; 14(9): 2407-2414.
8. Tangmahakul, N., Rungsipipat, A., Surachetpong, S.D.Investigation of pulmonary artery and circulating endothelin-1 expression in dogs with pulmonary hypertension secondary to myxomatous mitral valve disease. Vet World. 2024; 17(9):2144-2024.
9. Sakarin, S., Rungsipipat A., Roytrakul S., Jaresitthikunchai, J., Phaonakrop N., Charoenlappanit S., Thaisakun S., Surachetpong, S.D. Proteomic analysis of the serum in dogs with pulmonary hypertension secondary to myxomatous mitral valve disease: the preliminary study. Frontiers Vet Sci. 2024; 1327453.
10. Sakarin, S., Rungsipipat A., Roytrakul S., Jaresitthikunchai, J., Phaonakrop N., Charoenlappanit S., Thaisakun S., Surachetpong S.D. Proteomic analysis of pulmonary arteries and lung tissues from dogs affected with pulmonary hypertension secondary to degenerative mitral valve disease. Plos One. 2024; 19(1):e0296068.

11. Chalermpromma, P., Surachetpong S.D. Indicators for pulmonary hypertension in dogs with degenerative mitral valve disease. Veterinary World. 2023; 16(12): 2515-2520.
12. Tangmahakul N., Orton E.C., Surachetpong S.D. Investigation of red blood cell and platelet indices in adult dogs suffered from myxomatous mitral valve disease with and without pulmonary hypertension. Frontiers in Veterinary Science. 2023; 15:10:1234768.
13. Pinthanon A., Nithitarnwat C., Pintapin C., Siripanee, C., Yindee J., Nutthee Am-in., Kesdangskonwat S., Surachetpong S., Papasarakul N. Rapid identification of canine uropathogens by matrix-assisted laser desorption/ionization-time-of-flight mass spectrometry and the clinical factors that correlated bacterial species and antimicrobial resistance. Veterinary Research Communications. 2023; 1-14.
14. Tosuwan J., Surachetpong S.D., Hunprasit V. Assessment of left atrial myocardial deformation using two-dimensional speckle-tracking echocardiography in cats with cardiogenic and non-cardiogenic arterial thromboembolism. International Journal of Veterinary Science and Medicine. 2023; 11(1): 11-22.
15. Sakarin S., Rungsipipat A., Surachetpong S. Perivascular inflammatory cells and their association with pulmonary arterial remodeling in dogs with pulmonary hypertension due to myxomatous mitral valve disease. Veterinary Research Communications. 2023; 1-18.
16. Tangmahakul N., Sakarin S., Techangamsuwan S., Rungsipipat A., Surachertpong S.D. Investigation of genes and proteins expression associating serotonin signaling pathway in lung and pulmonary artery tissues of dogs with pulmonary hypertension secondary to degenerative mitral valve disease: the preliminary study. JOURNAL OF VETERINARY SCIENCE. 2022; 9(10); 530.
17. Sakarin S., Rungsipipat A., Surachetpong S.D. Histopathological changes of pulmonary vascular remodeling in dogs affected with pulmonary hypertension secondary to degenerative mitral valve disease. JOURNAL OF VETERINARY CARDIOLOGY. 2022; 36;141-152.
18. Sakarin S., Rungsipipat A., Surachetpong S.D. Expression of apoptotic proteins in the pulmonary artery of dogs with pulmonary hypertension secondary to degenerative mitral valve disease. Research in Veterinary Science. 2022; 145;238-247.
19. Udomkiattikul J., Kirdratanasak N., Siritianwanitchakul P., Worapunyaanun W., Surachetpong S.D. Factors related to survival time in dogs with pulmonary hypertension secondary to degenerative mitral valve disease stage C. International Journal of Veterinary Science and Medicine. 2022; 10(1); 25-32.
20. Tosuwan J., Hunprasit V., Surachetpong S.D. Usefulness of peripheral venous blood gas analyses in cats with arterial thromboembolism. INTERNATIONAL JOURNAL OF VETERINARY SCIENCE AND MEDICINE. 2021; 9(1); 44-51.
21. Chobsuk N., Pongprasit P., Puangploy P., Bunnag M., Keerativitayanant L., Surachetpong S.D. Evaluation of pleural fluid parameters related to cardiac diseases in cats. VETERINARY WORLD. 2021; 14(8); 2238-2243.
22. Tangmahakul N., Makoom P., Surachetpong S.D.. Assessment of platelet and plasma serotonin in canine pulmonary hypertension secondary to degenerative mitral valve disease. FRONTIERS IN VETERINARY SCIENCE. 2021; 8;695492.
23. Sakarin S., Surachetpong S.D., Rungsipipat A. The expression of proteins related to serotonin pathway in pulmonary arteries of dogs affected with pulmonary hypertension secondary to degenerative mitral valve disease. Frontier in Veterinary Science. 2020; 7;612130.
24. Kiatsilapanan A., Surachetpong S.D. Assessment of left atrial function in feline hypertrophic cardiomyopathy by using two- dimensional speckle tracking echocardiography. BMC VETERINARY RESEARCH. 2020; 16(1);344.
25. Nokthong N., Pongsawat P., Leurdthainarong P., Sritrirasri S., Surachetpong S.D. A study of factors associated with arterial thromboembolism in cats affected with hypertrophic cardiomyopathy in Thailand. THAI JOURNAL OF VETERINARY MEDICINE. 2020; 50(2); 179-184.

26. Surachetpong S.D, Pairor S, Atiptamvaree T, Mangklabruks T. Survival time and factors influencing survival time in cats with arterial thromboembolism in Thailand. Thai J Vet Med. 2020; 50(2); 149-154.
27. Laudhittirut T., Rujivipat N., Saringkarisate K., Soponpattana P., Tunwichai T., Surachetpong S.D. Accuracy of methods for diagnosing heart diseases in cats. VETERINARY WORLD. 2020; 13(5); 872-878.
28. Saetang K., Surachetpong S.D. Short-term effects of sildenafil in the treatment of dogs with pulmonary hypertension secondary to degenerative mitral valve disease. VETERINARY WORLD. 2020; 13(10); 2260-2268.
29. Tangmahakul N., Techangamsuwan S., Surachetpong S.D. Selection of the appropriate reference genes for relative quantitative reverse transcription polymerase chain reaction (qRT-PCR) in canine pulmonary arteries. THAI JOURNAL OF VETERINARY MEDICINE. 2019; 49(4); 313-318.
30. Chanroon K., Tuntipas T., Sukpanich P., Punyarit P., Surachetpong S.D. Novel methods to diagnose pulmonary hypertension in dogs assessed by thoracic radiography. Thai Journal of Veterinary Medicine. 2018; 48(3); 385-391.
31. Vichit P., Rungsipipat A., Surachetpong S.D. Changes of cardiac function in diabetic dogs. JOURNAL OF VETERINARY CARDIOLOGY. 2018; 20(6); 438-450.
32. Tantisuwat L., Puangampai P., Panpakdee P., Tangarsasilp T., Surachetpong S.D. Survival time and prognosis factors in hypertrophic cardiomyopathy cats with congestive heart failure. THAI JOURNAL OF VETERINARY MEDICINE. 2018; 48(4); 655-662.
33. Fucharoen P., Pankham W., Thong-in S., Juengthanasomboon S., Surachetpong S.D. New methods to differentiate cardiac and non-cardiac disease cats from thoracic radiographs. THAI JOURNAL OF VETERINARY MEDICINE. 2017; 47(2); 199-205.
34. Surachetpong S.D., Teewasutrakul P., Rungsipipat A. Serial measurements of cardiac troponin I (cTnI) in dogs treated with doxorubicin. JAPANESE JOURNAL OF VETERINARY RESEARCH. 2016; 64;221-233.
35. Surachetpong S.D., Boonlue N.,Pupa P., Boonsathitanan W., Rakthaidee S., Mangklabruks T., Sakarin S. Electrocardiographic Changes in Dogs with Degenerative Mitral Valve Disease Treated with Pimobendan: a Retrospective Study of 29 Cases. Thai J Vet Med. 2016; 46(2); 243-249.
36. Surachetpong S.D., Vichit P., Hunprasit V. Measurement of cardiac troponin I and creatine kinase myocardium isoform in dogs with diabetic ketoacidosis. Comparative Clinical Pathology. 2016; 25;1185-1191.
37. Sakarin S., Runsipipat A., Surachetpong S.D. Galectin-3 in cardiac muscle and circulation of dogs with degenerative mitral valve disease. Journal of Veterinary Cardiology . 2016; 18;34-46.
38. Surachetpong S.D., Pradit K., Panyarat Chongsawat P., Titada S., Suwantarat S. Comparison of systolic blood pressure between normal and asymptomatic degenerative mitral valve disease in small breed dogs. Thai J Vet Med. 2015; 45(3); 315-322.
39. Jiranantasak T., Rungsipipat A., Surachetpong S. Histopathological changes and apoptosis detection in canine myxomatous mitral valve disease using tissue microarray technique. Comp Clin Pathol . 2014; 23;1173-1178.
40. Mangklabruks T., Surachetpong S.D. Plasma and platelet serotonin concentrations in healthy dogs and dogs with myxomatous mitral valve disease. Journal of Veterinary Cardiology . 2014; 16;155-162.
41. Kohkayasit P., Surachetpong S. Short Term Echocardiographic and Clinical Effects of Ramipril on Dogs with Asymptomatic Degenerative Mitral Valve Disease. Thai J Vet Med. 2013; 43(3); 337-346.
42. Surachetpong S., Jirinanasak, T., Anudep Rungsipipat A., Orton E.C. Apoptosis and abundance of Bc1-2 family and transforming growth factor β1 signaling proteins in canine myxomatous mitral valves. Journal of Veterinary Cardiology . 2013; 15;171-180.
43. Aupperle H., Disatian (Surachetpong), S. Pathology, protein expression and signaling in

myxomatous mitral valve degeneration: comparison of dogs and humans. Journal of Veterinary Cardiology . 2012; 14;59-71.

44. สมจินต์ สุทธิกาญจน์, สิริลักษณ์ ดิษเสถียร (สุรเชษฐพงษ์), อนุเทพ รังสีพิพัฒน์. ก้อนเนื้องอกที่เกิดจากการเพิ่มจำนวนของเซลล์ตับเหนี่ยวนำให้เกิดการอุดตันของหลอดเลือด portal vein ในสุนัข. วารสารสัตวแพทย์ผู้ประกอบการบำบัดโรคสัตว์แห่งประเทศไทย. 2011; 23(1-2); 67-77.
45. Scruggs S.M., Disatian (Surachetpong) S., Orton E.C. Serotonin transmembrane transporter is down-regulated in late-stage canine degenerative mitral valve disease. Journal of Veterinary Cardiology. 2010; 12;163-169.
46. Disatian (Surachetpong), S. Myxomatous degenerative mitral valve disease: An Update. Thai J. Vet. Med. . 2010; 40(2); 151-157.
47. Lacerda C.M.R., Disatian (Surachetpong) S., Orton E.C. Differential protein expression between normal, early- stage, and late- stage myxomatous mitral valves from dogs. Proteomics Clinical Applications. 2009; 3;1422-1429.