

Tobacco in Australia

Facts & Issues

Relevant news and research

4.20 Health effects of second hand smoke on pets

Last updated July 2023

Research:

Demirtas, B, Yanar, K, Koenhems, L, Erozkhan Dusak, N, Guzel, O, & Akdogan Kaymaz, A. (2023). Tobacco smoke induces oxidative stress and alters pro-inflammatory cytokines and some trace elements in healthy indoor cats. *Vet Res Forum*, 14(6), 301-308. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37383655>

Pizzi, G, Mazzola, SM, Pecile, A, Bronzo, V, & Groppetti, D. (2023). Tobacco Smoke Exposure in Pregnant Dogs: Maternal and Newborn Cotinine Levels: A Pilot Study. *Vet Sci*, 10(5). Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37235404>

Mardell, E. (2020). Is there a link between tobacco smoke exposure and the development of alimentary lymphoma in cats? *Vet Rec*, 186(13), 411-413. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32245865>

Hu, LW, Yu, S, Marks, T, Zhang, YT, Lodge, CC, Dharmage, SC et al. (2020). The time window of pet ownership exposure modifies the relationship of Environmental Tobacco Smoke with lung function: A large population-based cohort study. *Environ Res*, 183, 109197. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32058142>

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Pinello, KC, Santos, M, Leite-Martins, L, Niza-Ribeiro, J, de Matos, AJ. Immunocytochemical study of canine lymphomas and its correlation with exposure to tobacco smoke. *Vet World*. 2017 Nov;10(11):1307-1313. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29263590>

Zierenberg-Ripoll, A, Pollard, RE, Stewart, SL, Allstadt, SD, Barrett, LE, Gillem, JM, Skorupski, KA. Association between environmental factors including second-hand smoke and primary lung cancer in dogs. *J Small Anim Pract*, 2017. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29134653>

Smith, VA, McBrearty, AR, Watson, DG, Mellor, DJ, Spence, S, Knottenbelt, C. Hair nicotine concentration measurement in cats and its relationship to owner-reported environmental tobacco smoke exposure. *J Small Anim Pract*. 2017 Jan;58(1):3-9. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28094859>

Decuyper, Il, Faber, MA, Sabato, V, Bridts, CH, Hagendorens, MM, Rihs, HP, De Clerck, LS, Ebo, DG. Where there's smoke, there's fire: cannabis allergy through passive exposure. *J Allergy Clin Immunol Pract*. 2016 Dec 22. pii: S2213-2198(16)30557-8. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28161151>

News reports:

Brazell, E. Dogs in smoking households passively puff more than 3,000 cigarettes a year. *Metro*, 2019. Oct 1, 2019. Available from: <https://metro.co.uk/2019/10/01/dogs-smoking-households-passively-puff-3000-cigarettes-year-10841169/?ito=cbshare>

Bennett, J. Smoking kills your pets: Heartbreaking advert shows the terrible toll of one man's cigarettes on his beloved dog. *Daily Mail Australia*, 2019. Aug 8, 2019. Available from: <https://www.mailonsunday.co.uk/news/article-7336459/Heartbreaking-advert-shows-terrible-toll-one-mans-cigarettes-beloved-dog.html>

No authors listed. Did you know your smoking could be harming your pets? *Lancashire Post*, 2019. June 12, 2019. Available from: <https://www.lep.co.uk/health/did-you-know-your-smoking-could-be-harming-your-pets-1-9817998>

Doughman, E. Secondhand Smoke Exposure Leads to Heart Problems in Lab Mice. *Laboratory Equipment*, 2019. Jan 2, 2019. Available from:

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<https://www.laboratoryequipment.com/article/2019/01/secondhand-smoke-exposure-can-lead-heart-problems-lab-mice>

Winter, Stuart. PET WARNING: The damage smoking can cause your cats and dogs REVEALED. Express UK, 2018. Mar 15, 2018. Available from:

<https://www.express.co.uk/news/nature/931259/damage-smoking-cats-dogs-pets-cigarette-smoke>

Humphreys, Chris. Stub it out for the sake of your pets urge Swindon vets. STV News, 2017. Oct 21, 2017. Available from:

http://www.thisiswiltshire.co.uk/news/15614654.Stub_it_out_for_the_sake_of_your_pets_urge_Swindon_vets/

Coren, Stanley. Dogs who live with smokers may suffer from premature aging. Psychology Today, 2017. Sept 19, 2017. Available from: <https://www.psychologytoday.com/blog/canine-corner/201709/dogs-who-live-smokers-may-suffer-premature-aging>

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