

Tobacco in Australia

Facts & Issues

Relevant news and research

4.6 Mechanisms of disease

Last updated January 2021

Research:

Torres, S, Samino, S, Rafols, P, Martins-Green, M, Correig, X, & Ramirez, N. (2020). Unravelling the metabolic alterations of liver damage induced by thirdhand smoke. *Environ Int*, 146, 106242. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33197790>

Yamashita, R, Komaki, Y, Yang, G, & Ibuki, Y. (2020). Cell line-dependent difference in glutathione levels affects the cigarette sidestream smoke-induced inhibition of nucleotide excision repair. *Mutat Res*, 858-860, 503273. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33198939>

No authors listed. Gene Expression Changes in an Early Stage of Intervertebral Disc Degeneration Induced by Passive Cigarette Smoking: Erratum. (2019). *Spine (Phila Pa 1976)*, 44(10), E632. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31046003>

Xiao, C, Wu, M, Liu, J, Gu, J, Jiao, X, Lu, D et al. Acute tobacco smoke exposure exacerbates the inflammatory response to corneal wounds in mice via the sympathetic nervous system. *Commun Biol*, 2019. 2, 33. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30701198>

Yang, G, Ibuki, Y. Cigarette sidestream smoke delays nucleotide excision repair - inhibited accumulation of repair proteins at DNA lesions. *Carcinogenesis*, 2017. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29045565>

Balachova, T, Zander, R, Bonner, B, Isurina, G, Kyler, K, Tsvetkova, L, Volkova, E. Smoking and alcohol use among women in Russia: Dual risk for prenatal exposure. *J Ethn Subst Abuse*, 2017. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28678641>

Makadia, LD, Roper, PJ, Andrews, JO, Tingen, MS. Tobacco Use and Smoke Exposure in Children: New Trends, Harm, and Strategies to Improve Health Outcomes. *Curr Allergy Asthma Rep*. 2017 Aug;17(8):55. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28741144>

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Huang, L, Tian, FY, Fan, L, He, YH, Peng, D, Xie, C, Tao, L, Yuan, SX, Jia, DQ, Chen, WQ. Appetite during the second and third trimesters mediates the impact of prenatal environmental tobacco smoke exposure on symmetric full-term low birth weight. *J Matern Fetal Neonatal Med*, Sep 2018. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30198354>

Krishnamurthy, AV, Chinnakali, P, Dorairajan, G, Sundaram, SP, Sarveswaran, G, Sivakumar, M, Krishnamoorthy, K, Dayalane, H, Sinouvassan, V. Tobacco use, exposure to second-hand smoke among pregnant women and their association with birth weight: A retrospective cohort study. *J Family Med Prim Care*. 2018 Jul-Aug;7(4):728-733. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30234045>

Dessi, A, Corona, L, Pintus, R, Fanos, V. Exposure to tobacco smoke and low birth weight: from epidemiology to metabolomics. *Expert Rev Proteomics*, Jul 2018. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30052087>

News reports:

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