

# Tobacco in Australia

## Facts & Issues

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### Relevant news and research

#### 3.20 Nicotine and carbon monoxide poisoning

*Last updated February 2022*

##### Research:

Archie, SR, Sharma, S, Burks, E, & Abbruscato, T. (2022). Biological determinants impact the neurovascular toxicity of nicotine and tobacco smoke: A pharmacokinetic and pharmacodynamics perspective. *Neurotoxicology*, 89, 140-160. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/35150755>

##### 3.20.1 Ingestion

Ershad, M, Beld, J, Mostafa, A, Dela Cruz, M, Vearrier, D, & Greenberg, MI. (2020). Nicotine Content from Cigarettes Submerged in Soda. *J Med Toxicol*. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32180139>

Yamamoto, H, Takayasu, T, Ishida, Y, Nosaka, M, Hata, S, Kuninaka, Y et al. (2019). A case of complex suicide due to acute nicotine intoxication caused by cigarette ingestion. *Int J Legal Med*. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31836934>

##### 3.20.2 Green tobacco sickness

Alves, J, Da Silva, FR, Kahl, V, Reyes, J, Lima, E, Abreu, MB et al (2020). Impact of nicotine-induced green tobacco sickness on DNA damage and the relation with symptoms and alterations of redox status in tobacco farmers. *Ecotoxicol Environ Saf*, 206, 111397. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33007538>

Campos, E, Costa, VID, Alves, SR, Rosa, ACS, Geraldino, BR, Meira, BDC et al. (2020). Occurrence of green tobacco sickness and associated factors in farmers residing in Dom Feliciano Municipality, Rio Grande do Sul State, Southern Region of Brazil. *Cad Saude Publica*, 36(8), e00122719. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/32813792>

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McMahon, LR. Green tobacco sickness: mecamlamine, varenicline, and nicotine vaccine as clinical research tools and potential therapeutics. *Expert Rev Clin Pharmacol*, 2019.1-7. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30650314>

### *3.20.3 Carbon monoxide poisoning*

**Nah, S, Choi, S, Lee, SU Kim, GW, Lee, YH , & Han, S. (2021). Effects of smoking on delayed neuropsychiatric sequelae in acute carbon monoxide poisoning: A prospective observational study. *Medicine (Baltimore)*, 100(20), e26032. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34011113>**

Neilsen, BK, Aloji, J, & Sharma, A. (2019). Acute Carbon Monoxide Poisoning Secondary to Cigarette Smoking in a 40-Year-Old Man: A Case Report. *Am J Addict*. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31348564>

News reports:

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