

DISCLOSURE AND DISCLAIMER

- 1) The information that follows from Donnay Detoxicology LLC contains links to collections of peer-reviewed articles about carbon monoxide that open webpages of the US National Library of Medicine at www.pubmed.ncbi.nlm.nih.gov. From the PubMed site--over which Donnay Detoxicology LLC has no control--you can save or export the articles in the collections.
- 2) The articles in each collection were selected by Albert Donnay, a consulting toxicologist who has specialized in CO poisoning since 1999. He selected the articles for their relevance to the topics and not for their accuracy, integrity, clinical utility, or any other reason.
- 3) The collections are not regularly updated and so only should be considered illustrative, not exhaustive. To find more recent articles on any topic "X", you can search at www.pubmed.gov for ("carbon monoxide" and "X")
- 4) *By clicking on the links provided below to any of Donnay's collections, you acknowledge this disclosure and agree not to hold Albert Donnay or Donnay Detoxicology LLC responsible for any false, misleading, or outdated information that the selected articles may contain.*

For more information on Donnay Detoxicology's library of over 1,500 PubMed collections on CO-related topics, see www.tinyurl.com/COpapers

Donnay Detoxicology LLC

www.DonnayDetox.com

5.31.2022

CARBON MONOXIDE CONDITIONS: **HEART DAMAGE**

Heart damage may be caused by either inhaled and/or internal carbon monoxide poisoning.

[Note that most internal CO comes from the breakdown of heme proteins by heme oxygenase-1 and -2. Along with CO, this process releases equal parts of ferritin, bilirubin, and hydrogen along with 3 parts of water. While exposure to high levels of CO causes symptoms of CO poisoning, exposure to very low levels is also unhealthy and causes symptoms of CO deficiency.]

For a collection of peer-reviewed articles on PubMed curated by Albert Donnay about the impact on the heart of

INTERNAL (ENDOGENOUS) CO, see

<https://www.ncbi.nlm.nih.gov/sites/myncbi/donnaydetoxicologyllc/collections/44486191/public/>

INHALED (EXOGENOUS) CO, see

<https://www.ncbi.nlm.nih.gov/sites/myncbi/donnaydetoxicologyllc/collections/42937896/public/>

OUTDOOR BACKGROUND CO, see

<https://www.ncbi.nlm.nih.gov/sites/myncbi/donnaydetoxicologyllc/collections/61768205/public/>