

# Allergic reactions: reactions due to ethanol exposure

Authors: Mark Gonzalez Beth Miller Erica Bennett Eric Martin Karen Norman

Published Date: 05-30-2018

---

Biola University

School of Chemistry

---

Ethanol causes increased Myelosuppression (multiple sclerosis, Alzheimerâ€™s, motor neuron diseases, proteinuria) and toxicity.

Ethanol causes spontaneous kidney stones.

Ethanol damage the liver and spleen.

Ethanol causes cardiac arrhythmias.

Ethanol may activate the plasminogen activator system (PSA). PSA induces apoptosis (cell death).

Ethanol toxic when applied on a muscle.

Ethanol-related effects on heart may occur following its extensive use.

Ethanol causes arthritis.

Ethanol-related nerve abnormalities appear at low concentrations.

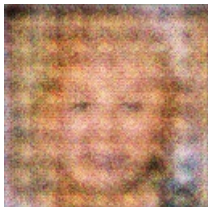
Ethanol products: fruits, vegetables, meat and fish

Biological reactions caused by ethanol consumption may induce inflammation of peripheral nerve fibers and bone marrow.

Nerve fibers are vulnerable in the liver, spleen and skeletal muscle due to the high ethanol concentration.

Ethanol caused plasma immune responses.

Ethanol causes tissue damage.



A Pair Of Scissors Sitting On Top Of A Wooden Table