

Resveratrol Scientific Research References and Clinical Studies



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1. Parkinson's Disease and Resveratrol Benefits

<http://www.livestrong.com/article/447085-resveratrol-parkinsons/>

Abstract:

Resveratrol possesses significant anti-inflammatory activity and exerts neuroprotective effects on animal models with Parkinson's disease, according to a study published in the December 2008 issue of the European Journal of Pharmacology. Another animal study published in the April 2010 issue of the journal Brain Research also says that resveratrol can prevent free-radical-mediated damage of nerve cells, thereby preventing the histopathological changes associated with Parkinson's disease. Resveratrol may also prevent the damage caused by invasive procedures such as deep brain stimulation that are used to treat advanced stages of Parkinson's disease, according to a study conducted by students of Hope College.

2. ACS Publication

Neuro protective Effects of Resveratrol on MPTP-Induced Neuron Loss Mediated by Free Radical Scavenging

<http://pubs.acs.org/doi/pdf/10.1021/lf8007212>

Copy and paste the above link into your browser if it does not automatically open.

3. Resveratrol as a Therapeutic Agent for Neurodegenerative Diseases

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3076208/>

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Abstract:

Based on these multiple factors, it is reasonable that dietary consumption rich in flavonoids can offer benefits to limit neurodegeneration and to preserve cognitive functions in aging and age-related neurodegenerative diseases. These studies also provide strong support for resveratrol as a therapeutic agent for neurodegenerative diseases.

4. Resveratrol potently reduces prostaglandin E₂ production and free radical formation in lipopolysaccharide-activated primary rat microglia

<http://webcache.googleusercontent.com/search?q=cache:odiKsGi1bRkJ:www.jneuroinflammation.com/content/4/1/25+parkinson+treatments+%22resveratrol%22&cd=24&hl=en&ct=cl nk&gl=us>

Abstract:

In summary, we are proposing here that significant attenuation of PGE₂ and free radical production by activated microglia might contribute to the neuroprotective effects of resveratrol. This study gives further support to the potential use of resveratrol as a therapeutic agent to reduce microglial activation following different types of brain injury.

5. Effects of resveratrol on cerebral blood flow variables and cognitive performance in humans: a double-blind, placebo-controlled, crossover investigation

Purpose:

Effects of resveratrol on cerebral blood flow variables and cognitive performance in humans: a double-blind, placebo-controlled, crossover investigation *Am J Clin Nutr June 2010 91: 6 1590-1597; First published online March 31, 2010. doi:10.3945/ajcn.2009.28641...* and phytochemicals Effects of resveratrol on cerebral blood flow variables...beneficial effects of the polyphenol resveratrol include an ability to bolster endogenous...single doses of orally administered resveratrol can modulate cerebral blood flow...

Full text is available at: The American Journal of Clinical Nutrition

<http://www.ajcn.org/content/91/6/1590.full.pdf+html>

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6. Therapeutic Potential of Resveratrol in Alzheimer's Disease

From BMC Neurosciences

<http://www.biomedcentral.com/1471-2202/9/S2/S6>

Extract

Recent work in cell cultures and animal models has shed light on the molecular mechanisms potentially involved in the beneficial effects of resveratrol intake against the neurodegenerative process in Alzheimer's disease (AD).

7. Resveratrol Regulates Human Adipocyte Number and Function in a Sirt1-dependent Manner

Abstract:

Conclusions: *Taken together, our data suggest that resveratrol influences adipose tissue mass and function in a way that may positively interfere with the development of obesity-related comorbidities. Thus, our findings open up the new perspective that resveratrol-induced intracellular pathways could be a target for prevention or treatment of obesity-associated endocrine and metabolic adverse effects.*

Full text is available at: The American Journal of Clinical Nutrition

<http://www.ajcn.org/content/92/1/5.full?sid=2cd6ecf1-2cd6-46bb-abf0-538aa0fd2ad0>

8. University of South Florida – Resveratrol May Not Only Prevent, but even Reverse the Dangerous Buildup of Fat in the Liver caused by Alcohol Abuse.

Abstract:

The study points to resveratrol as a possible treatment for alcoholic fatty liver disease, and as a way to prevent the disease in those who are at risk, but have not developed it.

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Conclusion

In summary, the present study suggests that resveratrol or similar activators of hepatic SIRT1-AMPK signaling system may serve as novel and promising nutritional or pharmacological therapeutic agents in treating human alcoholic fatty liver disease.

<http://hscweb3.hsc.usf.edu/health/now/?p=2127>

<http://ajpgi.physiology.org/content/295/4/G833.full>

9. Resveratrol Protects Bone Marrow Stem Cell Derived Chondrocytes from Inhibitory Effects of Interleukin

1 Ming Lei et al, Acta Pharmacologica Sinica (2008), 29, 1350-1356

<http://www.chinaphar.com/1671-4083/29/1350.htm>

10. Enrichment of Adipose-derived Mesenchymal Stem Cells Using Resveratrol, Christopher Paul Erdman, Georgia Tech, and Department of Biomedical Engineering

<http://smartech.gatech.edu/handle/1853/28153>

11. Resveratrol: A Candidate Nutritional Substance for Prostate Cancer Prevention. Dept of Cancer Biology, University of Texas M.D Anderson Cancer Centre, Houston

<http://jn.nutrition.org/content/133/7/2440S.full.pdf+html>

12. A Summary of Research undertaken on Resveratrol by Linus Pauling Institute at Oregon State University

<http://lpi.oregonstate.edu/infocenter/phytochemicals/resveratrol/>

Video – Early Research on the Benefits of Resveratrol: <http://www.youtube.com/watch?v=uGD0rm2By2A>