

soursop
pawpaw
brain lesions supra nuclear palsy/parkinsons
potassium
beta agonists are aurum
beta agonists cause tremor
high blood pressure causes tremor
traumatic brain injury and hypokalemia (high blood pressure?)-tbi causing release of aurum to body?

<https://www.ncbi.nlm.nih.gov/pubmed/8058159>

[Neurology](#). 1994 Aug;44(8):1511-3.

Beta 2-adrenergic agonist as adjunct therapy to levodopa in Parkinson's disease.

[Alexander GM](#)¹, [Schwartzman RJ](#), [Nukes TA](#), [Grothusen JR](#), [Hooker MD](#).

Author information

Abstract

We studied the effect of the beta 2-adrenergic agonist albuterol on Parkinson's disease (PD) patients receiving chronic levodopa treatment. The albuterol-treated patients demonstrated reduced parkinsonian symptoms and an increased ability to tap their index finger between two points 20 cm apart, and were able to perform a "walk test" in 70% of their control time. Three patients currently on chronic albuterol therapy still show amelioration of their parkinsonian symptoms, and two have reduced their daily levodopa dose. This study suggests that beta 2-adrenergic agonists as adjunct therapy to levodopa may be beneficial in PD.

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8058159

DOI:

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[Indexed for MEDLINE]

"use of β 2-agonists is associated with a decreased risk of PD. "© 2018 International Parkinson and Movement Disorder Society.

β 2-adrenoceptor agonists and antagonists and risk of Parkinson's disease.

Potential Benefits of Therapeutic Use of β 2-Adrenergic Receptor Agonists in Neuroprotection and Parkinson's Disease

[\$\beta\$ 2-Adrenergic Agonists for Parkinson's Disease: Repurposing ...](#)

www.brainimmune.com > [beta-adrenergic-agonists-parkinsons-disease](#)

by S Mittal - [Related articles](#)

Dec 2, 2017 - β -Adrenergic Agonists and Parkinson's Disease: New evidence ...

Edwards DJ, Sorisio DA, Knopf S. *Effects of the beta 2-adrenoceptor ...*

[The Role of \$\beta\$ -Adrenergic Blockers in Parkinson's Disease ...](#)

<https://journals.sagepub.com> > [doi](#)

May 21, 2013 - Keywords β -adrenergic blocker, Parkinson's disease, tremor, ...

These findings suggest that β -adrenergic blockers might affect PD via the ...

[Use of \$\beta\$ 2-adrenoreceptor agonist and antagonist ... - Neurology](#)

<https://n.neurology.org> > [2019/05/24](#) > [WNL.0000000000007694.full.pdf](#)

May 24, 2019 - (OR 0.78, 95% CI 0.59–1.02) or inhaled *anticholinergics* (OR 0.41, 95% CI 0.25–0.67) were ... The etiopathogenesis of sporadic Parkinson disease (PD), ... these far-reaching health consequences, we sought to replicate.

[Parkinson's and the Beta2-Adrenoreceptor Agonist in Asthma ...](#)

<https://www.cureparkinsons.org.uk> > [parkinsons-and-asthma-medication](#)

Researchers have found that compounds in certain drugs used in the treatment of asthma, may also have beneficial effects in Parkinson's disease.

<https://www.michaeljfox.org/news/ask-md-head-trauma-and-parkinsons-disease>

Muhammed Ali and head trauma and Parkinson's...

Intent on understanding his condition, Fox grilled various neurologists for information—and an explanation. Could he have contracted it from a head injury he got playing hockey as a kid in Canada? How about the time he blacked out doing a stunt in a film?

People who have been diagnosed with a **mild** concussion, or **mild** traumatic **brain injury**, may have a 56 percent **increased risk** of developing **Parkinson's disease**, according to a study published in the April 18, 2018, online issue of Neurology®, the medical journal of the American Academy of Neurology. Apr 18, 2018

When Alda was seven years old, he contracted **polio**. Myocarditis in polio- <https://www.ahajournals.org/doi/pdf/10.1161/01.CIR.15.5.735> Dogoxin raises blood pressure-and is used sometimes for myocarditis...So-polio caused lowering of Aurum-digoxin treats that in heart...Low Aurum is symptom of Parkinson's...Raise Aurum for Parkinson's?

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Web results

[Higher brain extracellular potassium is associated with brain ...](#)

<https://www.ncbi.nlm.nih.gov> > [pmc](#) > [articles](#) > [PMC4229847](#)

by AP Antunes - 2014 - [Cited by 23](#) - [Related articles](#)

Jump to [Material and methods](#) - Elevated brain potassium levels ($[K^+]$) are associated with neuronal damage in experimental models. The role of brain extracellular $[K^+]$ in patients with poor-grade aneurysmal subarachnoid hemorrhage (aSAH) and its association with hemorrhage load, metabolic dysfunction and outcome has not been studied so far.

[Abstract](#) · [Introduction](#) · [Results](#) · [Discussion](#)

Michael J. Fox-hockey head injury
Muhammed Ali-boxing head injuries
Alan Alda, injury due to polio
Dad-hit by streetcar at age 8

all have low Aurum, high Potassium...And Parkinson's disease...

Beta Adrenergic Agonists raise Aurum...

Tremor is one of the most characteristic adverse effects following administration of **$\beta(2)$ -adrenergic agonists**. It is reported by around 2-4% of patients with asthma taking a regular **$\beta(2)$ -adrenergic agonist** and is induced by both short-acting and long-acting agents.

[Tremor and \$\beta\$ 2-adrenergic agents: Is it a real clinical problem ...](#)

<https://www.researchgate.net> > [publication](#) > [51973286](#) [Tremor and \$\beta\$ 2-a...](#)

a Known: Head injury causes LOSS of Aurum, and HIGH Potassium...

[Int J Neurosci](#). 2016;126(7):630-6. doi: 10.3109/00207454.2015.1051046. Epub 2015 Aug 18.

Reduced plasma taurine level in Parkinson's disease: association with motor severity and levodopa treatment.

[Neuroprotection with Taurine in a Parkinson's Model System ...](#)

<https://journeywithparkinsons.com > 2018/04/05 > neuroprotection-with-ta...>

Apr 5, 2018 - *Taurine* protects dopaminergic neurons in a mouse *Parkinson's disease* model through inhibition of microglial M1 polarization: Here are some ...

Levodopa on Decrease of Plasma Taurine Level in Parkinson's

<https://www.ukessays.com > essays > sciences > levodopa-decrease-plasma-...>

Apr 9, 2018 - Title: Levodopa aggravates the decrease of plasma *taurine* level in *Parkinson Disease*. Key words: *Parkinson's disease* (PD); Oxidative stress; ...

Reduced plasma taurine level in Parkinson's disease ...

<https://www.tandfonline.com > doi > full>

by L Zhang - 2016 - [Cited by 15](#) - [Related articles](#)

Aug 20, 2015 - Purpose: This study aimed to evaluate the level of *taurine* in plasma, and its association with the severity of motor and non-motor *symptoms* ...

<https://jamanetwork.com/journals/jamaneurology/article-abstract/573523>

February 1975

Hereditary Mental Depression and Parkinsonism With Taurine Deficiency

[Thomas L. Perry, MD](#); [Paul J. A. Bratty, MD, FRCP \(C\)](#); [Shirley Hansen](#); et al [Janet Kennedy](#); [Nadine Urquhart, PhD](#); [Clarisse L. Dolman, MD, FRCP \(C\)](#).

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Arch Neurol. 1975;32(2):108-113. doi:10.1001/archneur.1975.00490440058009

<https://bodynutrition.org/taurine/> Best taurine supplements 2020

Interestingly, one of the animal models of Parkinson's disease is generated by treating rodents with the complex I inhibitor, rotenone ([Cannon et al., 2009](#)). Taurine deficiency and rotenone actions are similar, as both lead to reductions in complex I activity, inhibition of NADH dehydrogenase activity, reductions in respiratory activity and elevations in NADH. Because a primary physiological function of taurine is the maintenance of complex I activity, there is reason to believe that taurine therapy should reduce the severity of Parkinson's disease ([Alkholifi et al., 2015](#)). Indeed, it has recently been reported that reduced plasma taurine content is associated with motor severity in Parkinson's disease ([Zhang et al., 2016](#)). Moreover, a single blind, randomized, controlled study of 47 patients with Parkinson's disease revealed effectiveness in reducing excessive sleepiness upon treatment with the taurine analog, homotaurine ([Ricciardi et al., 2015](#)).

<https://europepmc.org/article/PMC/5933890>

ursodiol(drug form taurine)*

creatine, glutamine, taurine mix, selenium , Omega 3.

serotonin casting tremors, muscle rigidity...