

A bit of dark chocolate might sweeten your vision

26 April 2018, by E.j. Mundell, Healthday Reporter



Credit: CC0 Public Domain

It may not replace prescription glasses, but a few bites of dark chocolate might offer a slight and temporary bump up in vision quality, new research suggests.

Heart-healthy compounds in chocolate called flavanols appeared to sharpen eyesight for a group of 30 healthy young adults in the new study.

The observed change in vision was small, but significant. However, the study authors stressed that it's too early for ophthalmologists to recommend chocolate as medicine for the eyes.

"The duration of these effects and their influence in real-world performance await further testing," said a team led by Dr. Jeff Rabin of the University of the Incarnate Word in San Antonio, Texas. His team published its results online April 26 in *JAMA Ophthalmology*.

As Rabin's team explained, there's been evidence in prior studies that the antioxidant flavanols in [dark chocolate](#) might help boost blood flow to the nervous system, boost heart function and even help preserve the aging brain.

So, the investigators wondered if the eyes might reap some sort of benefit from chocolate, too.

To find out, the researchers had 30 healthy adults, averaging 26 years of age, eat either a 1.5-ounce Trader Joe's 72 percent Cacao Dark Chocolate bar or a similar-sized Trader Joe's Crispy Rice Milk Chocolate bar. Labels were removed from each bar so participants didn't know what type of chocolate they were eating.

About two hours later, each participant underwent vision testing using standard letter-based eye charts.

The result? Compared to people who'd eaten the milk chocolate bar, those who'd snacked on the dark chocolate showed "small enhancements in visual acuity and large-letter contrast" on the vision test, the researchers reported.

Dr. Mark Fromer is an ophthalmologist at Lenox Hill Hospital in New York City. He explained that [visual acuity](#) is a key component in the standard eye-glasses prescription test, where patients "specifically identify the letters on the eye chart."

And contrast sensitivity is "the ability to distinguish an object as the lighting is altered in intensity," said Fromer, who wasn't involved in the new study.

The San Antonio researchers stressed that the [vision](#) improvements experienced by the dark chocolate eaters "were small, and the [real life] functional relevance is unclear."

Just how might chocolate give eyesight a boost?

According to Fromer, "The [study] authors suggest that this [improvement] may be a result of increased [blood flow](#) to the retina, visual pathways or [the brain's] cerebral cortex."

But "there is currently no direct evidence to

substantiate this claim," he said. So it's too early to prescribe a dose of [chocolate](#) to help preserve failing eyesight, Fromer explained.

"Further investigation will be necessary," he added.

More information: Jeff C. Rabin et al. Effects of Milk vs Dark Chocolate Consumption on Visual Acuity and Contrast Sensitivity Within 2 Hours, *JAMA Ophthalmology* (2018). DOI: [10.1001/jamaophthalmol.2018.0978](https://doi.org/10.1001/jamaophthalmol.2018.0978)

Copyright © 2018 [HealthDay](#). All rights reserved.

APA citation: A bit of dark chocolate might sweeten your vision (2018, April 26) retrieved 4 May 2021 from <https://medicalxpress.com/news/2018-04-bit-dark-chocolate-sweeten-vision.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.