

Dietary glutamic acid linked to lower risk of colorectal cancer

January 7 2016



(HealthDay)—Dietary glutamic acid intake is associated with reduced

risk of developing colorectal cancer (CRC), according to a study published online Dec. 30 in *Cancer*.

Gilson G. Viana Veloso, M.D., from the Erasmus Medical Center in Rotterdam, Netherlands, and colleagues examined the correlation between dietary glutamic acid intake with CRC risk, and whether the correlation was modified by [body mass index](#) (BMI). The study was embedded in the Rotterdam study, which included a prospective cohort of 5,362 adults aged 55 years or older.

The researchers found that 242 subjects developed CRC during follow-up. There was a significant correlation between baseline dietary glutamic acid intake with lower risk of developing CRC (hazard ratio per percent increase in glutamic acid of protein, 0.78; 95 percent confidence interval, 0.62 to 0.99). The risk reduction for CRC by dietary glutamic acid was significant for participants with a BMI of ≤ 25 kg/m² after stratification by BMI (hazard ratio per percent increase in glutamic acid of protein, 0.58; 95 percent confidence interval, 0.40 to 0.85); no [correlation](#) was seen for participants with BMI >25 kg/m² (hazard ratio per percent increase in glutamic acid of [protein](#), 0.97; 95 percent confidence interval, 0.73 to 1.31).

"Our data suggest that baseline dietary glutamic acid intake is associated with a lower risk of developing CRC, but this association may be mainly present in non-overweight subjects," the authors write.

Several authors disclosed financial ties to the nutrition and insurance industries.

More information: [Abstract](#)
[Full Text \(subscription or payment may be required\)](#)

Copyright © 2016 [HealthDay](#). All rights reserved.

Citation: Dietary glutamic acid linked to lower risk of colorectal cancer (2016, January 7)
retrieved 21 November 2023 from

<https://medicalxpress.com/news/2016-01-dietary-glutamic-acid-linked-colorectal.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.