

Yerba mate's beneficial effects on cellular energy and lipid metabolism linked to weight

14 November 2017



Myung-Sook Choi, Hyo Jin Park, Sang Ryong Kim, Do Yeon Kim, and Un Ju Jung, from KyungPook National University (Daegu) and Pukyong National University (Busan), Republic of Korea coauthored the article entitled "Long-Term Dietary Supplementation with Yerba Mate Ameliorates Diet-Induced Obesity and Metabolic Disorders in Mice by Regulating Energy Expenditure and Lipid Metabolism." The researchers compared measures including weight gain/loss, energy expenditure, gene expression in fat tissue, [lipid](#) levels in the blood, liver, and feces, and [blood](#) insulin levels as an indication of insulin resistance in animals with diet-induced obesity who did or did not receive supplementation with dietary yerba mate.

"Obesity and diabetes have become problems that can't be managed by pharmaceuticals alone. This study suggests a safe alternative to managing weight and reducing [blood lipids](#) and glucose," says *Journal of Medicinal Food* Editor-in-Chief Sampath Parthasarathy, MBA, PhD, Florida Hospital Chair in Cardiovascular Sciences and Interim Associate Dean, College of Medicine, University of Central Florida.

More information: Myung-Sook Choi et al, Long-Term Dietary Supplementation with Yerba Mate Ameliorates Diet-Induced Obesity and Metabolic Disorders in Mice by Regulating Energy Expenditure and Lipid Metabolism, *Journal of Medicinal Food* (2017). [DOI: 10.1089/jmf.2017.3995](#)

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Researchers have shown that use of the dietary supplement yerba mate over an extended period had significant effects on body weight and weight gain and was associated with lower levels of blood lipids and insulin in obese mice fed a high-fat diet. This new study, which supports the anti-obesity effect of long-term supplementation with yerba mate, and its beneficial effects on related metabolic disorders, is published in *Journal of Medicinal Food*.

APA citation: Yerba mate's beneficial effects on cellular energy and lipid metabolism linked to weight (2017, November 14) retrieved 20 October 2018 from <https://medicalxpress.com/news/2017-11-yerba-beneficial-effects-cellular-energy.html>

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