

Title: [Find More Like This](#) Effects of *Morinda citrifolia* (Noni) on **Obesity** and Glucose Tolerance in C57BL/6 Mice.

Authors: [Nishioka, Adrienne](#)¹
[Nerurkar, Pratibha](#)¹

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Abstract: Cardiovascular diseases (CVD) remain the primary cause of death in the United States. In Hawaii, the incidence of CVD and heart disease-associated mortality is disproportionately large among Native Hawaiians compared to other Pacific Islanders and Caucasian populations. Although *Morinda citrifolia* (noni) has been used as a folk remedy for centuries, very few scientific studies have been conducted to investigate the validity of these health benefits. The aim of our study was to investigate the mechanism underlying the beneficial effects of noni juice. Male C57BL/6 mice were fed control rodent chow (Con), noni juice (NJ), high-fat-diet (HFD), and HFD + NJ, ad libitum for 5 weeks. Overall, NJ had no effect on daily consumption of food or water intake. Measurement of plasma aspartate aminotransferase/alanine aminotransferase (AST/ALT) demonstrated no toxic effects of noni. Interestingly, NJ reduced body weight by 40% in mice fed a control diet and by 25% in HFD-fed mice. NJ also reduced adipose tissue weights, plasma triglyceride levels and improved glucose tolerance in these animals. Current studies are directed to elucidate the cellular and molecular mechanisms involved in anti-**obesity** and hypoglycemic effects of noni. [ABSTRACT FROM AUTHOR]

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Author Affiliations: ¹University of Hawaii, Manoa, 1955 East West Road, Honolulu, HI, 96822

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