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Effects of a Randomized Controlled Tri Transcendental Meditation on Compon Metabolic Syndrome in Subjects With O Disease	al of ents of the Coronary Heart Articl •Full tev •PDF •Send to •Related •Similar journal
Maura Paul-Labrador, MPH; Donna Polk, MD, MPH; James Ivan Velasquez, MD; Sanford Nidich, PhD; Maxwell Rainfo Robert Schneider, MD; C. Noel Bairey Merz, MD Arch Intern Med. 2006;166:1218-1224.	H. Dwyer, PhD [†] ; h. Dwyer, PhD [†] ; h. Downlo h. Downlo Manague PubMeu Articles Paul-I Merz
Background The metabolic syndrome is thought to be a heart disease (CHD), and components of the syndrome ha possible therapeutic targets. Previous data implicate neuror to psychosocial stress as a contributor to the metabolic sy study was to evaluate the efficacy of transcendental media of the metabolic syndrome and CHD.	contributor to coronary ave been identified as ohumoral activation related rndrome. The aim of this tation (TM) on components

Methods We conducted a randomized, placebo-controlled clinical trial of 16 weeks of TM or active control treatment (health education), matched for frequency and time, at an medical center in a total of 103 subjects with stable CHD. Main outcome measures included t pressure, lipoprotein profile, and insulin resistance determined by homeostasis model assess (calculated as follows: [(fasting plasma glucose level [in milligrams per deciliter] x fasting pla level [in microunits per milliliter]) x 0.0552]/22.5); endothelial function measured by brachia reactivity testing; and cardiac autonomic system activity measured by heart rate variability.

Results The TM group had beneficial changes (measured as mean \pm SD) in adjusted systoli pressure (-3.4 \pm 2.0 vs 2.8 \pm 2.1 mm Hg; *P* = .04), insulin resistance (-0.75 \pm 2.04 vs 0.52 *P* = .01), and heart rate variability (0.10 \pm 0.17 vs -0.50 \pm 0.17 high-frequency power; *P* = compared with the health education group, respectively. There was no effect of brachial arter testing.

Conclusions Use of TM for 16 weeks in CHD patients improved blood pressure and insulin r components of the metabolic syndrome as well as cardiac autonomic nervous system tone cc a control group receiving health education. These results suggest that TM may modulate the response to stress and improve CHD risk factors, which may be a novel therapeutic target for treatment of CHD.

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