

No reduced risk of T1DM with hydrolyzed casein infant formula

January 4 2018



(HealthDay)—Weaning to an extensively hydrolyzed casein formula is

not associated with reduced incidence of type 1 diabetes among at-risk infants, according to a study published in the Jan. 2 issue of the *Journal of the American Medical Association*.

Mikael Knip, M.D., from the University of Helsinki, and colleagues conducted an international double-blind [randomized clinical trial](#) of 2,159 [infants](#) with human leukocyte antigen-conferred disease susceptibility and a first-degree relative with type 1 diabetes. Participants were randomized to be weaned to an extensively hydrolyzed casein formula (1,081 infants) or a conventional formula (1,078 infants). A total of 1,744 infants completed the trial.

Participants were followed for a median of 11.5 years. The researchers found that the absolute risk of type 1 diabetes was 8.4 and 7.6 percent among those randomized to the casein hydrolysate and conventional [formula](#), respectively (difference, 0.8 percent; 95 percent confidence interval, -1.6 to 3.2 percent). After adjustment for confounding variables, the hazard ratio for type 1 diabetes was 1.1 (95 percent confidence interval, 0.8 to 1.5; P = 0.46). The median age at diagnosis of type 1 diabetes did not differ significantly between the groups (6 versus 5.8 years; difference, 0.2 years; 95 percent confidence interval, -0.9 to 1.2). The most common adverse event reported was [upper respiratory infections](#) (frequency, 0.48 and 0.5 events/year in the hydrolysate and control groups, respectively).

"These findings do not support a need to revise the dietary recommendations for infants at risk for type 1 [diabetes](#)," the authors write.

One author disclosed financial ties to the pharmaceutical industry.

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

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

Citation: No reduced risk of T1DM with hydrolyzed casein infant formula (2018, January 4)
retrieved 23 June 2024 from <https://medicalxpress.com/news/2018-01-t1dm-hydrolyzed-casein-infant-formula.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.