

No reduced risk of T1DM with hydrolyzed casein infant formula

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(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.

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