Resource Summary Report

Generated by dkNET on May 21, 2025

TRIGR

RRID:SCR_001550
Type: Tool

Proper Citation

TRIGR (RRID:SCR_001550)

Resource Information

URL: http://www.trigr.org

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Description: International, randomized, double-blinded trial to determine whether weaning to a casein hydrolysate formula during the first 6-8 months of life in place of cow milk based formula reduces the incidence of autoimmunity and type 1 diabetes in genetically susceptible newborn infants. 2160 eligible infants were randomized to test or control formulas when mothers decide to wean from exclusive breastfeeding. The participants will be monitored up to the age of 10 years for the appearance of diabetes-predictive autoantibodies and clinical type 1 diabetes. The TRIGR trial will determine whether delayed exposure to intact food proteins will reduce the chances of developing type 1 diabetes later in life. All babies in the study received the recommendation to breastfeed for at least the first six months of life. If a mother was unable to exclusively breastfeed before the baby was 8 months of age, her child was randomly assigned to one of two groups. One group of these babies received a trial formula based on extensively hydrolyzed protein; the other group received another trial formula containing a smaller amount of hydrolyzed protein. In the hydrolyzed formula, the big protein molecules have been split into very small fragments to provide a source of nutritional amino acids, but the fragments are likely too small to stimulate the immune system. The TRIGR trial will also be able to analyze whether exclusive breastfeeding per se can reduce the risk of the children to develop type 1 diabetes.

Abbreviations: TRIGR

Synonyms: TRIGR - Trial to Reduce IDDM in the Genetically at Risk, Trial to Reduce IDDM in the Genetically at Risk, TRIGR trial

Resource Type: clinical trial

Defining Citation: PMID:21153533, PMID:17550422

Keywords: casein hydrolysate formula, newborn, hydrolyzed infant formula, genetically susceptible, insulin, cow's milk, infant, feeding, diet, intervention, genetic risk, bibliography, dietary intervention, wean, prevention, nutrition, nonhydrolyzed infant formula, breast feeding, infant formula

Related Condition: Type 1 diabetes, Diabetes

Funding: NICHD HD040364;
NICHD HD042444;
NICHD HD051997;
RTD programme Quality of Life and Management of Living Resources contract QLK1-2002-00372

Resource Name: TRIGR

Resource ID: SCR_001550

Alternate IDs: nlx_152860

Alternate URLs: http://trigr.epi.usf.edu/, http://clinicaltrials.gov/show/NCT00179777

Record Creation Time: 20220129T080208+0000

Record Last Update: 20250519T203136+0000

Ratings and Alerts

No rating or validation information has been found for TRIGR.

No alerts have been found for TRIGR.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Rani PS, et al. (2010) Mycobacterium avium subsp. paratuberculosis as a trigger of type-1 diabetes: destination Sardinia, or beyond? Gut pathogens, 2(1), 1.