

Childhood Obesity and Nutrition & Diabetes and Obesity

Effect of lactic acid bacteria intake on the health of dam and infant mice

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We examined the effects of the ingestion during pregnancy and lactation of a high-fat diet, a low-calcium diet, and *Lac obacillus acidophilus* NFR1 7415 (LAB) on the health of murine dams and infants. Two experiments were performed. In experiment 1, we divided 15 pregnant 9-wk-old mice into three equal groups receiving the control diet, a high-fat diet (HD), or an HD+LAB (HDL) diet during the pregnancy and lactation period. Within 24 hr of birth, the litters were culled to 10 pups each and nursed by their dams until weaning. After weaning, the liver T-cho concentration in the HDL group of pups was significantly lower than that of the HD group (

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