

عنوان مقاله:

RELATIONSHIP OF BREAST MILK LEPTIN WITH MATERNAL AND INFANT ADIPOSITY

محل انتشار:

مجله آریا آترواسکلروز، دوره 2، شماره 1 (سال: 1385)

تعداد صفحات اصل مقاله: 5

نویسندگان:

.Mohammad Khalili - M.Sc., Nutritionist, Tehran University of Medical Sciences

A Djazayeri - Ph.D., Associate Professor of Biochemistry, Biochemistry Department, Tehran University of Medical Sciences

.Shahnaz Khaghani - Ph.D., Nutritionist, Tehran University of Medical Sciences

Abbas Rahimi - Ph.D., Associate Professor of Biostatistics, Biostatistics Department, Tehran University of Medical Sciences

.Ahmadreza Dorosty - Ph.D., Associate Professor, Nutrition Department, Tehran University of Medical Sciences

.Zahra Paknajhad - Ph.D., Associate Professor, Biochemistry Department, Tehran University of Medical Sciences

.Maryam Chamary - M.Sc., Nutritionist, Tehran University of Medical Sciences

خلاصه مقاله:

AbstractINTRODUCTION: Leptin, the product of the obese gene (ob), is synthesized by adiposetissue and contributes to the regulation of energy homeostasis and food intake. Recently,immunoreactive leptin was reported to be present in human milk. The aim of this studywas to determine any possible link between breast milk leptin concentrations andadiposity in exclusively breast-fed infants.METHODS: ۱۳۰ healthy, exclusively breast-fed infants beyond neonatal period andtheir mothers were included in the study. Infants whose weight for age was above the۷۵th, and between ۲۵th and ۷۵th percentiles were defined as obese (n=۶۵) and non-obese(n=۶۵), respectively. Anthropometric measur ements of infants and mothers were alsomade and breast milk samples were analyzed for leptin.RESULTS: There was no significant difference between breast milk leptinconcentrations of mothers of obese and non-obese infants. Breast milk leptinconcentrations significantly correlated with mothers' body mass index ($r=۰.۵۴$, $P<۰.۰۰۱$)and weight ($r=۰.۴۶$, $P<۰.۰۰۱$). There was no significant correlation between breast milkleptin concentrations and weight of infants.CONCLUSIONS: Leptin concentrations of human milk are not different in the mothers ofobese and non-obese infants. Our findings suggest that milk-borne leptin has nosignificant effect on adiposity during infancy.Key Words:
.Breast milk, leptin, infant, adiposity

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1505288>

