

عنوان مقاله:

?Is Aflatoxin More in the Milk of Lactating Mothers Who Have Previously Had COVID-19

محل انتشار:

فصلنامه تغذیه و امنیت غذایی، دوره 7، شماره 2 (سال: 1401)

تعداد صفحات اصل مقاله: 7

نویسنده:

.Sepideh Seifi - Medical Student, Tehran Medical Sciences Branch, Islamic Azad University, Tehran, Iran

خلاصه مقاله:

Background: Breast milk provides the ideal nutrition for infants. It has a nearly perfect mix of vitamins, protein, and fat. Breastfeeding has many health benefits for both the mother and infant. Breast milk contains all the nutrients an infant needs in the first six months of life. The present study aimed to measure aflatoxin M₁ (AFM₁) levels in breast milk and identify nutritional and socio-demographic factors associated with AFM₁ levels. Methods: This cross-sectional study was conducted to assess AFM₁ levels in the breast milk of 100 mothers by enzyme-linked immunosorbent assay (ELISA), 20 of whom had COVID-19 in the past 4 months during June 2020-March 2021. The participants were given a questionnaire to answer nutritional and socio-demographic questions, such as age, place of residence, COVID-19, educational status, employment status, and body mass index (BMI). Results: The mean age of mothers was 29.1 ± 4.9 years. Based on the results, 39/100 samples had AFM₁ more than 5 ng/l, and all 20 mothers who previously had COVID-19 had AFM₁ in their milk. The mean AFM₁ was 7.10 ng/l and ranged 5.37-9.01 ng/l. Consumption of milk and yogurt also significantly increased AFM₁ in milk. Moreover, place of residence and BMI and COVID-19 had a statistically significant effect on the presence of AFM₁. Conclusion: The AFM₁ contamination was significantly associated with the consumption of milk and yogurt by the lactating mother. Breastfeeding mothers should be careful in their food intake and try to fit their BMI. The presence of aflatoxin in the lactating mothers who previously had COVID-19 indicates that their children are more vulnerable

کلمات کلیدی:

Aflatoxin M₁, Mycotoxins, Breast milk, COVID-19

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1441271>

