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Risk for adolescent health due to chemical contamination of food and food stock

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Abstract

© 2018, Advanced Scientific Research. All rights reserved. Based on the data on the volume of food consumption data according to the results of the actual nutrition study among the adolescents at the age of 15-17 they calculated the intake of chemical contaminants with local food products and food raw materials. They determined the main food products for adolescents, where chemical contaminants occur most frequently: fruits and vegetables, meat, grain, fish, drinks and milk. They determined the systems most susceptible to the total nonspecific effects at 95%: circulatory, cardiovascular, central nervous and reproductive systems. By the influence of imported products on functional systems they revealed circulatory system and the cardiovascular system. With combined intake of pollutants by food intake, the total hazard index for non-carcinogenic effect development by domestic products (HI) made 9.36 (95%), for imported products HI made 3.1 (95%).

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Keywords

Adolescent health, Chemical contaminants, Critical body systems, Non-carcinogenic risk, Regional exposure factors

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