

عنوان مقاله:

Association of urinary triclosan and methyl-triclosan levels with predictive indicators of cardiovascular disease and (obesity in children and adolescents in ۲۰۲۰ (case study: Kerman, Iran

محل انتشار:

مجله مدیریت و مهندسی بهداشت محیط, دوره 8, شماره 3 (سال: 1400)

تعداد صفحات اصل مقاله: 9

نویسندگان:

Habibeh Nasab - Environmental Health Engineering Research Center, Kerman University of Medical Sciences, Kerman, Iran

Moghaddameh Mirzaee - Modeling in Health Research Center, Institute for Futures Studies in Health, Kerman University of Medical Sciences, Kerman, Iran

Karim Ebrahimpour - Environment Research Center, Research Institute for Primordial Prevention of Non-Communicable Disease, Isfahan University of Medical Sciences, Isfahan, Iran

Majid Hashemi - Corresponding author: Environmental Health Engineering Research Center, Kerman University of Medical Sciences, Kerman, Iran

خلاصه مقاله:

Background: Exposure of children and adolescents to endocrine disrupting chemicals (EDCs) causes the development of non-communicable diseases. Triclosan (TCS) is a fat-soluble antimicrobial agent, and methyl-triclosan (MTCS) is the predominant metabolite of TCS. The increasing use of consumables TCS (toothpaste, mouthwash, personal care products) in human has raised concerns about human health. Methods: The urinary concentrations of TCS and MTCS were measured by GC/MS. Lipid profiles (TG, TC, LDL, and HDL), anthropometric parameters (WC, BMI z-score, and BMI), FBS, SBP, and DBP tests were performed on V9 children and adolescents. Results: Of V9 people included as the study population, FY subjects (δ ···. δ ···. δ) were obese. The mean concentrations of TCS and MTCS in the obese population were Δ ·FY ± Y.99 and Y. HY ± 1.°F µg/L, respectively. After adjusting for possible confounding factors, the results showed that a one-unit increase in DBP caused a •···Y units increase in TCS levels in male subjects (P = •.•··). A one-unit increase in DBP also caused a •···Y units increase in TCS (OR = 1.° μ , P = •····). There was a significant relationship between TCS and HDL (OR = •···F, P = •····), and TG (OR = 1.° μ , P = •····), and TG (OR = 1.° μ , P = •····). Conclusion: According to the results, there is a relationship between TCS, and predictive indicators of cardiovascular .diseases and obesity

کلمات کلیدی:

_ _ _ _ _ _ _ _ _

Triclosan, Methyl triclosan, Cardiovascular disease, Obesity, Endocrine disrupter, Children, Adolescent

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/1276813

