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Association of intimate partner violence and poor child growth in a group of one year children

Fateme Abdollahi
Mazandaran University of Medical Sciences, Iran

Both intimate partner violence (IPV) and childhood obesity are growing public health epidemic. The role of adverse psychological exposures of IPV on obesity risk in children is poorly investigated. This study examine the impact of IPV on obesity risk in one year children. The present study investigate body mass index of 550 one year children whose mothers referring urban and rural areas' primary health care centers in Qonbad Kavos city and answered to World Health Organization IPV questionnaire, Perceived Stress Scale (PSS-14) and socio-economic, obstetrics and demographic characteristics related questions. BMI Z-Score is categorized in three grade: normal ($1 \leq z < -2$), over weight ($1 \leq z < 2$), obese (≥ 2). The prevalence of obesity/overweight is reported. Data is analyzed using logistic regression models and munn-whitney to determine the association between IPV and obesity, stunting and wasting. At about 7.8% of children was overweight/obese according to BMI Z-Score. Moreover, a small number of children was found to be wasting and stunting (0.7% and 1.8% respectively). The prevalenc of physical, emotional and sexual IPV were 4.7%, 97.9% and 2.6% respectively. After adjusting for a rang of charactristics, there was found no significant diference between BMI Z-Score, stunting and wasting in children in two groups of women exposed to IPV and not. The prevalence of obesity/overweight, stunting and wasting in this group of children was low. Considering high prevalence of IPV, more attention is need to follow up this group of women to prevent subsequent consequences.

Biography

Fateme Abdollahi has completed her PhD from University Putra Malaysia, School of Medicine and Health Sciences. She is the Faculty member and Researcher in Mazandaran University of Medical Sciences. She is Head of Public Health Department and Director of Health Sciences Research Center, Addiction institute in Mazandaran University of Medical Sciences. She has published more than 30 papers in index journals on the *Maternal and Child Health*.

abdollahizagh@gmail.com

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