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Evaluation of the health education effect on preventing from oxiuorasis reinfection in Iranian kindergartens

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Introduction: Oxiuorasis is one of the most prevalent human parasitic infections worldwide especially in temperate climates. This infection is frequently reported among children mainly in day care centers and kindergartens. The most common symptoms are loss of appetite, irritability and the pruritus ani. The aim of this study was to evaluate the effect of health education in preventing *Enterobius vermicularis* reinfection in children settling in kindergartens.

Materials & Methods: A total of 60 children infected with symptomatic *Enterobius vermicularis* were enrolled. They were divided randomly in two case and control groups. Both groups were treated with single dose of mebendazol. Case group children and their parents received health education including: Doing frequent hand wash, changing bed sheets daily and cleaning the anus area every morning as soon as waking up, while control group received no educational program. After one month of treatment, all children were tested by Graham method for oxiuor ova/ parasite in the three consequence days.

Results: The rate of oxiuor infection was 6% and 11% in case and control groups, respectively. In conclusion, the findings of this study confirmed the effectiveness of health education in decrease of *Enterobius vermicularis* reinfection in children of Iranian kindergartens.

Biography

Manizheh Nourian is Nursing Phd Candidate, Social Welfare & Rehabilitation Sciences University, Tehran, Iran, 2011 and has completed his Master of Science in Pediatric Nursing from Shahid Beheshti University of Medical Sciences, Tehran, Iran from 1993-1997. And Bachelor of Science in Nursing, from Iran University of Medical Sciences, Tehran, Iran. He is working on Pediatric nursing using preventive care approaches.

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