

P31. The Effects of Pesticides on Humans and the Environment: A Systematic Review

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Introduction: The widespread overuse of pesticides in agriculture has generated increasing concerns about the negative effects of pesticides on human health and the environment

Purpose: The aim of this review, is to define The Effects of Pesticides on Humans and the Environment.

Methods: We conducted a systematic literature review to evaluate the study results within parenteral nutrition complications at home. Akdeniz University center electronic databases including MEDLINE, CINAHL, Scencedirect, Cochrane library, Pubmed, Wiley Interscience, Ulakbim, Ovid were searched studies published in English with “Effects of Pesticides on Humans and the Environment” and “clinical trials” key words. Search results reached in the 2492 articles and four articles have been sampled.

Results: As a result of one study; pesticides are additive risk factors to current HCV and HBV infection among rural males. Future investigation should address the possible hepatocarcinogenicity of pesticides using biomarkers of exposure and other techniques to better estimate dose-response relationships.

In one study they evaluated Perspiration may also be a determinant of exposure in active children and field workers. Measured ADDs were less than estimates of ADD made from environmental measurements including CP deposition, the California roller, and clothing dosimeters worn by participants.

A study suggested that organochlorine pesticides in maternal blood can transfer through the placenta and affect newborn thyroid hormone levels.

Another study assessed that; a binary probit model reveals that farmers' inadequate knowledge of pesticides, the influence of pesticide retailers and lack of access to non-synthetic methods of pest control are positively associated with pesticide overuse, while the propensity to overuse decreases with higher levels of education, training in Integrated Pest Management (IPM) and the safe use and handling of pesticides, and access to extension support.

Key Words: The Effects of Pesticides on Humans and the Environment, Pesticides, Clinical Trials