

High Levels of Pesticide Associated with Adverse Reproductive Outcomes in Females [†]

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Abstract: A pesticide is any substance used to kill, repels, or control certain forms of plant or animal life that are considered to be pests. Over the last few decades, there has been growing concern about the possible adverse reproductive outcomes from pesticides exposure of people. Due to their increasing use, large number, and wide environmental distribution, pesticides can cause reproductive toxicity. Major reproductive effects that have been associated with pesticide exposure in a woman are decreased fertility, spontaneous, stillbirth, premature birth, low birth weight, development abnormalities, ovarian disorder, and disruption of hormonal function. This study has focused on various biochemical abnormalities evoked due to pesticides exposure. In the light of existing data, although still limited evidence of adverse effects of pesticide exposure on fertility has been found during the preconception period, it is necessary to reduce the exposure to pesticides.

Keywords: endocrine disruptors; pesticides; fertility; reproductive disorder; exposure.

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Conflicts of Interest

The authors declare no conflict of interest.