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Research Article

Reversible Antifertility Effects of Benzene Extract of Papaya Seed on Female Rats

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Keywords

Carica papaya • benzene extract • antifertility • female rats

Abstract

The effects of benzene extract from papaya seeds and those of withdrawal (30 days each) were investigated on the physiology of ovaries and uterus of rats and their fertility. The results revealed that the treatment did not affect ovarian steroidogenesis. On the other hand, uterine glycogen, protein and enzymes were altered which rendered the internal milieu hostile for implantation. The extract manifested an antifertility effect in treated animals. The withdrawal of treatment resulted in recovery of all the induced effects of the extract and restored fertility. Hence, the antifertility effects of the extract were transient and reversible. This is the first report of its kind using the benzene extract of the seed.

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