Abortifacient effect of mulberry white root in mice

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Abstract

Background and Objective: Due to an increase in spontaneous abortions finding a safe and secure method is inevitable. Some medicinal herbs have abortifacient properties. This study was done to determine the effect of abortifacient effect of mulberry white root in mice.

Methods: In this experimental study, 50 mice dams were randomly allocated into five groups including control, sham and experimental group 1, 2 and 3. Animals in control group did not receive any substance. Animals in sham group were received normal saline, intraperitoneally. Animals in experimental group 1, 2 and 3 were received doses of 50, 70 and 90 mg/kg/bw of the alcoholic extract of root of mulberry white during the 7th to 12th days of pregnancies, intraperitoneally, respectively. At the 16th day of the pregnancy the uterine tubes of mice were removed and the absorbed fetuses were recorded.

Results: The mean of absorb fetuses was 7.4, 7.6, 1.8 and 3.1 in the experimental group 1, 2, 3 and sham, respectively. There was a significant relation between the mean number of aborted fetuses and concentration of strawberry root (P<0.05). The apparent anomaly in fetus was not recorded.

Conclusion: Root of mulberry white has abortifacient effect with dose-dependent manner.

Keywords: White mulberry, Fetus absorption, Mouse

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