

## Original Paper

# 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 7<sup>th</sup> to 12<sup>th</sup> days of pregnancies, intraperitoneally, respectively. At the 16<sup>th</sup> 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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