

عنوان مقاله:

The Effect of Aqueous Extract of Berberis Vulgaris on Fetal Height and Weight during Pregnancy

محل انتشار:

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خلاصه مقاله:

Background: Nowadays, the use of herbal medicine for the treatment of different diseases especially during pregnancy is increasing. It was shown that some herbs have irreparable effects on fetal development and on pregnancy. The aim of this study was to investigate the effect of aqueous extract of Berberis vulgaris on fetal height and weight during pregnancy. Methods: One-hundred and twenty adult female mice were enrolled. After confirmation of pregnancy, they were divided to four groups evaluated during first, second and third week of pregnancy. The control group mice were pregnant without any intervention. The second, third and fourth group received 2000, 3500 and 5000 mg/kg of barberry, respectively. The fetal weight and height were measured in each group and compared. Results: In the first, second and third week of gestation, 5000 mg/kg of barberry decreased the embryo's weight and height in comparison to other groups. Conclusion: The high dose of barberry resulted in adverse effects on fetal growth especially in the last week of pregnancy. Therefore, it should be administered with caution during gestation period.

کلمات کلیدی:

Barberry, Fetus, Height, Weight, Pregnancy

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