

عنوان مقاله:

A study of the hydroalcoholic extract of *Malva neglecta* on ovarian hormones in rats

محل انتشار:

بیست و یکمین کنگره ملی و نهمین کنگره بین المللی زیست شناسی ایران (سال: 1399)

تعداد صفحات اصل مقاله: 1

نویسندگان:

Amineh Beyrami Miavgi - Faculty of Veterinary, Urmia University, Urmia, Iran ۲. Faculty of Science, Urmia University, Urmia, Iran

Farah Farokhi - Faculty of Veterinary, Urmia University, Urmia, Iran ۲. Faculty of Science, Urmia University, Urmia, Iran

خلاصه مقاله:

Estrogen and Progesterone are important hormones during pregnancy and play an important role in supporting pregnancy and the fetus. Testosterone is secreted in the female sex by the ovaries and adrenal glands, but too much of this hormone during pregnancy can be life-threatening for the fetus. Today, due to the side effects and high cost of chemical drugs, the study of plants used in traditional medicine, has become a priority. *Malva neglecta* is one of the important medicinal plants that is used for respiratory and digestive problems. The aim of this study is to evaluate the effects of this plant extract on the level of ovarian hormones in pregnant rats. In this study, ۱۸ pregnant rats were divided into ۳ groups: ۱. Control group receiving water and food, ۲. Group receiving *Malva neglecta* extract at a dose of ۲۰۰ (mg / kg body weight per day), ۳. Group receiving *Malva neglecta* extract at a dose of ۵۰۰ (mg / kg body weight per day). Rats received the extract for ۱۸ days daily by gavage. After ۱۸ days, serum levels of estrogen, progesterone and testosterone were measured and the rate of abortion in pregnant rats was assessed. The results showed that the *Malva neglecta* reduces the levels of estrogen and progesterone and increases the level of testosterone. Also, the rate of abortion was ۳۳.۳۳% in rats treated with ۲۰۰ doses, ۵۰% in ۵۰۰ doses and ۶۶.۶۶% was observed in rats treated with prostadine. Therefore, this plant is a threat to pregnancy and can cause aboration. Therefore, *Malva neglecta* can be a good alternative to chemical drugs in abortion therapy. To obtain more information in this field, it is recommended to study the effect of this plant on the structure of the ovaries and uterus.

کلمات کلیدی:

Aboration, Pregnancy, Plant

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1260565>

