



The effects of wheat germ on polycystic ovarian rats

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Abstrac :

Background : Polycystic ovarian syndrome (PCOS)is a hormonal disorder.and the most common cause of female infertility due to anovulation. Wheat germ is an antioxidant . In this study the therapeutic effect of wheat grm on polysystis ovary syndrome were investigated .

Metrials and methods : 15 rats (180±15gr)were divided in 4 groups and 3 groups subcutaneously ingected EV (2mg/kg),The control group received no injection . 2 of the pcos groups were treat by wheat gem (pcost100,pcost300) for 30 days withgavaging .then all of the rats were killedby chloroform and were oprated and ovaries collected to the histological examines. . Data were tested using ANOVA and INSTAT and P <0.05 was considered significant

Conclusion: : Thickness of theca layer, primordial follicles and number of cysts significantly decreased in curcumin-treated Ovaries relative to PCOS group. Also corpus luteums as a main sign of ovulation appeared The wheat germ has an improvementall effect anovulation and rereduction effect in pcos.