

عنوان مقاله:

The effect All-trans retinoic acid on ovarian follicle development in N-MRI mice

محل انتشار:

نهمین همایش ملی مطالعات و تحقیقات نوین در حوزه زیست شناسی و علوم طبیعی ایران (سال: 1401)

تعداد صفحات اصل مقاله: 7

نویسندگان:

Amin Abdi - Faculty of Basic Sciences, Razi University, Kermanshah, Iran

Mehri Azadbakht - Professor of Faculty of Basic Sciences, Razi University, Kermanshah

Elahe solimani - Bachelor of Applied Science, Cultural Management at the University of Ilam

خلاصه مقاله:

Background: Vitamin A (retinol) important for normal growth, vision, reproduction, maintenance of numerous tissues, and overall survival in many species. Objective: In the present study the effects of retinoic acid was investigated on Mouse Ovary. Materials and Methods: In this study, newborn female NMRI were injected intraperitoneally with all-trans retinoic acid ۲۵ mg/Kg.b.w was dissolved in ۲.۵% DMSO on the day of birth. After ۲۱ day female mice were isolated. They were sacrificed by cervical dislocation at ۶۰ day. The ovaries from both groups were fixed and then were used for histological studies. The excised ovaries from both groups were weighed. Results: Our results indicate that retinoic acid significantly increased the percentage of antral follicles and corpus luteum. Retinoic acid also significantly increased ovary weight ($P < ۰.۰۵$). Conclusions: According to our findings retinoic acid can be improve ovulation by positive effect on folliculogenesis.

کلمات کلیدی:

Ovary, folliculogenesis, Retinoic Acid

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