

تأثير حالة نقص الدرقية المستحث على مبايض وارجام الفئران البيض

/ 0.43

(p < 0.01)

(p < 0.01)

%0.85

Abstract

Females which have on increasing or decreasing in secretion of thyroid hormones suffering a disorders in ovaries through the failure of ovulation due to cease of reproductive cycles , therefore , induced hypothyroidism were tested by orally administration of therapeutic dose of carbimazole 0.43 mg/kg for two months distributed to eight weeks to female albino mice , animals then sacrificed and thyroid glands and ovaries and uteri were weighing anhistological sections prepared.

Ovarian follicles were counted and thickness of uteri lagers were measured.

Results showing a significant decrease at $P < 0.01$ in uteri weights and number of Graafian follicles and corpus lutei , while there is a significant increase of atvetic follicles .

Primary and secondary follicles and thbckness of uteri layers never by affected in contrast with control group.

.(Guyton,1986)

Ovarian

follicular cells

(Bandyopadhyay *et al.*, 1996)

(1970) Lachelin (1962)

Greenman

Menorrhagia

Uterine endometrium

Mild hypothyroidism

First trimester

Amenorrhea

Oligomenorrhea

LH

FSH (Mazzaferri, 1980; Distiller *et al.*, 1975).

-1

Balb/c

(80)

(0.43)

Products Limited Welwyn Roche England Exp. Date 11-2000

/

. Garden City

(%0.85)

Bouin's

Mettler

(Cook, 1965)

. (1984)

fixative

. (Rashid , 1984)

-2

. Stage micrometer

Ocular micrometer

CRD

t

F

.(Scheffer , 1969)

LSD

-1

(p < 0.01)

(1)

(p < 0.01)

(p < 0.01)

-2

($p < 0.01$)

(2)

.

.

($p < 0.01$)

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:(1)

										/		/
4±1.4	3.8±0.75	3.2±0.85	2.4±1.85	5±0.63	5.2±1.17	7.6±1.6	7.2±1.5	19.4±2.88	18.8±2.14	4.4±0.3	4.3 ± 0.5	1
4.2±1.17	4.8±0.75	2.4±1.6	2.2±1.7	4.6±0.8	4.4±1.4	7.4±1.02	7±3.3	19.2±3.37	18.6±3.23	4.1±0.55	4.2 ±0.2	2
4.8±1.7	4.2±0.75	2±1.1	1.4±1.4	5.2±0.75	4.8±1.2	8.2±0.97	78±1.1	19.6±2.1	19.6±3.32	4.6±0.78	4.4 ± 0.3	3
4.2±1.17	3±0.9	2±0.9	1.4±1.6	4.6±1.2	*†3±0.63	8.6±0.8	8±0.9	20.2±1.6	20.2±2.26	5±0.75	*†9.3±0.3	4
3.2±1.17	*†1.4±1	2.8±0.75	2.4±0.8	5±1.4	*†1.2±0.4	7.4±1.6	7.8±1.02	20.2±2.19	19±1.4	3.8±1.4	*†12.4±4	5
4±0.9	*†0.6±0.5	2.4±1.5	3.2±0.75	4.4±1.26	*†1.4±1.02	7.8±1.2	7.4±1.02	19.6±3.5	19.2±2.55	4.5±0.5	*†12.5±2.8	6
4.4±1.02	*†0.6±0.8	2.2±1.2	*†7.8±1.7	4.8±1.23	*†0.4±0.5	7.6±1.4	8±0.68	19.4±2.06	19.6±2.3	5.1±0.8	*†14.0±2.3	7
4.6±1.5	*†0	3±1.4	*†8±2.8	5.2±0.96	*†0.2±0.4	7.8±0.75	76±0.9	18.2±8.56	18.8±4.7	5±1.2	*†11.2±2.2	8

.S.D ±

P<0.01*

P<0.01†

مجلة جامعة بابل / العلوم المصرفية والتطبيقية / العدد (1) / المجلد (17) : 2009

(2):

/		/		/		()
122.5±252.7	84.98±241	97.7±413.5	50.8±448.4	0.006±0.12	0.0047±0.11	1
86.2±252	94.2±245	71.6±387	66.66±428.6	0.002±0.11	0.001±0.108	2
107.3±255.1	77.06±244.5	53.3±343.6	54.5±352	0.0018±0.115	0.05±0.119	3
41.28±253	90.26±244	35.7±353.2	24.2±335.5	0.0085±0.119	0.02±0.12	4
84.2±255.7	30.4±259	59.9±303.5	43.2±328	0.0057±0.125	*†0.007±0.08	5
107.6±263	95.8±256	46.3±330.4	43±282.5	0.01±0.119	*†0.02±0.08	6
94.2±263	56.4±252	112.7±303.5	55.96±285.22	0.0087±0.12	*†0.1±0.074	7
44.3±265	33.9±268.4	46.8±336.4	50±209.5	0.01±0.125	*†0.006±0.07	8

± .S.D

P<0.01*

P<0.01†

. (Campbell *et al.*, 1984)

Ganong,)

.(1991

FSH

.(Bandyopadhyay *et al.*, 1996 ; Crews & Bergeron , 1994)LH

.(Fitcko & Ozlezyngier, 1994)

LH

. hCG

Ganong , 1991;)

. (Langer & Greer, 1977

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