

**Role of Dehydroepiandrosterone in
Improving Ovarian Reserve in Albino Rats:
Histological, Ultrastructural, and
Physiological Studies**

**A Thesis Submitted for the Degree of doctor of Philosophy (Ph. D) in
Science (Zoology)**

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2017**

Dedication

My deepest gratitude to my husband for the encouragement and patience he has shown throughout the time this work has taken to be finished.

Acknowledgments

All the praises and thanks be to Allah,
the most beneficent and merciful of all.

My profound appreciation is due to prof. Dr. **Nagui H. Fares**, Professor of Cell Biology and Histology, Zoology Department, Faculty of Science, Ain Shams University for suggesting the point, his precious advice, continuous encouragement, and for his critical reading of the manuscript. It is a great honor to work under his supervision. His research experience has added a lot to the integrity of this thesis.

I am greatly indebted to Dr. **Yomna Ibrahim Mahmoud**, Assistant Professor of Histology and Cell Biology, Zoology Department, Faculty of Science, Ain Shams University for her valuable guidance and careful reading of the manuscript, unlimited assistance, instructive guidance and kind support. No word of thanks can equal her contribution.

I owe much to Dr. **Asmaa Ahmed Mahmoud**, Assistant Professor of Physiology, Zoology Department, Faculty of Science, Ain Shams University for reading the manuscript, her assistance, continuous encouragement, and kind support.

Lists of Abbreviations, Acronyms and Symbols

AIDS	Acquired immunodeficiency syndrome.
AMH	Antimullerian hormone.
ART	Assisted reproductive technology.
ATP	Adenosine 5' –triphosphate.
ATPase	Adenosine 5' –triphosphatase.
b.wt.	Body weight.
bc	Bile canaliculus.
bd	Bile ductule.
caspase-3	Cysteine aspartate-specific protease.
cl	Corpus luteum.
cm	Centimeter/s (unit).
cv	Central vein.
D	Space of Disse.
DOR	Diminished ovarian reserve.
DPX	Mixture of distyrene, plasticizer, & xylene.
DHEA	Dehydroepiandrosterone.
EDTA	Ethylene diamine tetrachloro-acetic acid.
E2	Estradiol.
En	Endothelial cell.
EU	Euchromatin.
<i>et al.</i>	<i>et alii</i> (i.e.: and others).
Fig.	Figure.
FSH	Follicle stimulating hormone.
g	Gram.
Gl	Glycogen.
Go	Golgi complex.
GnRH	Gonadotropin-releasing hormone.
H	Hepatocyte.
HC	Heterochromatin.
IGF-I	Insulin-like growth factor-I
IVF	<i>In vitro</i> fertilization.

K	vonKupffer cell.
LH	Luteinizing hormone.
Lip	Lipolysosme.
Lp	Lipid droplet.
Ly	Lysosomes.
M	Mitochondria.
ml	Milliliter
mv	Microvilli.
µg	Microgram/s (unit).
N	Nucleus.
Nu	Nucleolus.
P4	Progesterone.
PCNA	Proliferating cell nuclear antigen.
PCOs	Polycystic ovary syndrome.
Pv	Portal vein.
RBCs	Red blood corpuscles.
RER	Rough endoplasmic reticulum.
s	Sinusoid/s.
SE	Standard error of the mean.
SER	Smooth endoplasmic reticulum.
TPA	Tissue plasminogen activator
UNESCO	United Nation Educational, Scientific and Cultural Organization.
V	Vacuolized cytoplasm
VEGF	Vascular endothelial growth factor.
Vs	Versus
WHO	World Health Organization.
®	Trademark.

List of Tables

	Page
Table 1 Effect of DHEA on body weight gain in perimenopausal rats.	45
Table 2 Effect of DHEA on the relative liver weight in perimenopausal rats.	47
Table 3 Effect of DHEA on ALT and both serum and hepatic cholesterol and triglycerides in perimenopausal rats.	49
Table 4 Effect of DHEA on hepatic morphometric parameters in perimenopausal rats.	55
Table 5 Effect of DHEA on estrous cycle in perimenopausal rats.	113
Table 6 Effect of DHEA on the relative ovarian weight in perimenopausal rats.	116
Table 7 Effect of DHEA on serum levels of FSH, LH, E2 and AMH in perimenopausal rats.	118
Table 8 Effect of DHEA on the follicular count in perimenopausal rats.	127

Table 9	Effect of DHEA on reproductive performance and pregnancy outcomes in perimenopausal rats.	165
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List of Figures

	Page
Fig. A: Structural formula of DHEA.	16
Fig. 1: Effect of DHEA on fur of perimenopausal rats.	44
Fig. 2: Effect of DHEA on liver gross morphology of perimenopausal rats.	46
Fig. 3: Effect of DHEA on ALT value in perimenopausal rats.	50
Fig. 4: Effect of DHEA on both serum (A) and hepatic (B) cholesterol and triglycerides in perimenopausal rats.	51
Fig. 5: Photomicrograph of liver tissue of a fertile rat.	56
Fig. 6: High magnification of the centrilobular zone of a fertile rat.	56
Fig. 7: Photomicrograph of a semithin section of a fertile rat.	58
Fig. 8: Photomicrograph of liver of	58

a perimenopausal control rat.

Fig. 9: High magnification of the peripheral region of hepatic lobule of perimenopausal control rats. 60

Fig. 10: Photomicrograph of a semithin section of liver tissue from a perimenopausal control rat. 60

Fig. 11: Photomicrograph of liver tissue of a perimenopausal rat treated with the low dose of DHEA. 62

Fig. 12: High magnification of the centrilobular zone of a perimenopausal rat treated with the low dose of DHEA. 62

Fig. 13: Photomicrograph of a semithin section of a perimenopausal rat treated with the low dose of DHEA. 64

Fig. 14: Photomicrograph of liver section of a perimenopausal rat treated with the moderate dose of DHEA. 64

Fig. 15: High magnification of the hepatic tissue of a perimenopausal rat treated with the moderate dose of DHEA. 66

Fig. 16: Photomicrograph of a semithin section of

a perimenopausal rat treated with the moderate dose
of DHEA 66

Fig. 17: Photomicrograph of liver section of a
perimenopausal rat treated with the high dose of
DHEA. 68

Fig. 18: High magnification of the peripheral region
of hepatic lobule of a perimenopausal rat treated
with the high dose of DHEA. 68

Fig. 19: Photomicrograph of a semithin section of
a perimenopausal rat treated with the high dose of
DHEA. 70

B- Ultrastructural Figures

Fig. 20: Electron micrograph of liver tissue of
a fertile rat. 77

Fig. 21: Electron micrograph of liver of a fertile rat. 77

Fig. 22: Electron micrograph of a fertile rat liver. 79

Fig. 23: Electron micrograph of liver of a fertile rat. 79

Fig. 24: Electron micrograph of liver tissue of
a fertile rat. 81

Fig. 25: Electron micrograph of liver tissue of
a perimenopausal control rat. 81

Fig. 26: Electron micrograph of liver tissue of a perimenopausal control rat.	83
Fig. 27: Electron micrograph of liver of a perimenopausal control rat.	83
Fig. 28: Electron micrograph of liver of a perimenopausal control rat.	85
Fig. 29: Electron micrograph of liver of a perimenopausal control rat.	85
Fig. 30: Electron micrograph of a hepatocyte from rat treated with low dose of DHEA.	87
Fig. 31: Electron micrograph of liver of a treated rat with low dose of DHEA.	87
Fig. 32: Electron micrograph of two adjacent hepatocytes of a perimenopausal rat treated with low dose of DHEA.	89
Fig. 33: Electron micrograph of liver a perimenopausal rat treated with low dose of DHEA.	89
Fig. 34: Electron micrograph of a part of sinusoidal lumen of a perimenopausal rat treated with low dose of DHEA.	91

Fig. 35: Electron micrograph of a hepatocyte of a perimenopausal rat treated with moderate dose of DHEA.	91
Fig. 36: Electron micrograph of a part of hepatocyte from a perimenopausal rat treated with moderate dose of DHEA.	93
Fig. 37: Electron micrograph of two neighboring hepatocytes of a perimenopausal rat treated with moderate dose of DHEA.	93
Fig. 38: Electron micrograph of liver of a perimenopausal rat treated with moderate dose of DHEA.	95
Fig. 39: Electron micrograph of a hepatocyte of perimenopausal rat treated with moderate dose of DHEA.	95
Fig. 40: Electron micrograph of liver of a perimenopausal rat treated with high dose of DHEA.	97
Fig. 41: Electron micrograph of liver tissue of a perimenopausal rat treated with high dose of DHEA.	97

Fig. 42: Electron micrograph of two neighboring hepatocytes of a perimenopausal rat treated with high dose of DHEA. 99

Fig. 43: Electron micrograph of liver of a perimenopausal rat treated with high dose of DHEA. 99

Fig. 44: Electron micrograph of a hepatocyte of perimenopausal rat treated with high dose of DHEA. 101

II-Ovary

Fig. 45: Vaginal smear cytology. 104

Figs 46-50: Estrous cycle representation. 105-112

Fig. 51: Ovarian gross morphology. 115

Fig. 52: Effect of DHEA on FSH value in perimenopausal rats. 119

Fig. 53: Effect of DHEA on LH value in perimenopausal rats. 119

Fig. 54: Effect of DHEA on E2 value in perimenopausal rats. 120

Fig. 55: Effect of DHEA on AMH value in

perimenopausal rats. 120

B- Histological Figures

Fig. 56: Photomicrograph of an ovarian section of a fertile rat ovary. 128

Fig. 57: High magnification of a cortical region of a fertile rat ovary. 128

Fig. 58: High magnification of a cortical region of a fertile rat ovary. 130

Fig. 59: High magnification of the cortical region of a fertile rat ovary. 130

Fig. 60: High magnification of a cortical region of a fertile rat ovary. 132

Fig. 61: High magnification of a cortical region of a fertile rat ovary. 132

Fig. 62: High magnification of the cortical region of a fertile rat ovary. 134

Fig. 63: Photomicrograph of the cortical region of a fertile rat ovary. 134

Fig. 64: Photomicrograph of the cortical region of a fertile rat ovary. 136

Fig. 65: High magnification of secondary atretic

follicle of a fertile rat ovary. 136

Fig. 66: Photomicrograph of an ovarian section of
a perimenopausal control rat. 138

Fig. 67: Photomicrograph of the cortical region of
a perimenopausal rat. 138

Fig. 68: Photomicrograph of an ovarian section of
a perimenopausal rat treated with the low dose of
DHEA. 140

Fig. 69: Photomicrograph of the cortical region of
a perimenopausal rat treated with the low dose of
DHEA. 140

Fig. 70: Photomicrograph of the cortical region of
a perimenopausal rat treated with the low dose of
DHEA. 142

Fig. 71: Photomicrograph of an ovarian section of
a perimenopausal rat treated with the moderate dose
of DHEA. 142

Fig. 72: Photomicrographs of the cortical region of
a perimenopausal rat treated with the moderate dose
of DHEA. 144

Fig. 73: Photomicrographs of the cortical region of
a perimenopausal rat treated with the moderate dose