THE RELATIONSHIP BETWEEN THE ESTROGEN RECEPTORS AND THE HISTOPATHOLOGY OF ENDOMETRIUM IN POSTMENOPAUSAL BLEEDING OF UTERINE ORIGIN

Thesis

Submitted In Partial Fulfillment For The Master Degree In

Obstetrics & Gynecology

 \mathcal{B}_y

Mohammed Hussein Ayesh

 $(\mathcal{M}.\mathcal{B}.\mathcal{B}.\mathcal{C}h)$

5993:

<u>618.54</u> M.H

Under Supervision Of

Prof. Dr.

Saied Tohamy

Professor of Obstetrics and Gyrecology Faculty of Medicine, Ain Shums University

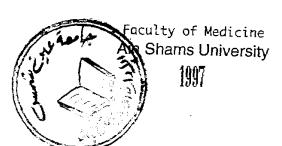
Dr.

Rowaa Abdel-Azeem Mostafa

Lecturer of Obstetrics and Gynecology Faculty of Medicine, Ain Shams University $\mathcal{D}\tau$.

Sahar Saad-Eldin A. Zaki

Assistant Professor of Pathology Faculty of Medicine, Ain Shams University







THE RELATIONSHIP BETWEEN THE ESTROGEN RECEPTORS AND THE HISTOPATHOLOGY OF ENDOMETRIUM IN POSTMENOPAUSAL BLEEDING OF UTERINE ORIGIN

Thesis

Submitted In Partial Fulfillment For The Master Degree In

Obstetrics & Gynecology

 \mathcal{B}_y

Mohammed Hussein Ayesh

(M.B.B.Ch)

Under Supervision Of

Prof. Dr.

Sajed Tohamy

Professor of Obstetrics and Gynecology Jaculty of Medicine, Ain Stams University

Dr.

Dт.

Rowaa Abdel-Azeem Mostafa

Lecturer of Obstetrics and Gynecology Faculty of Medicine, Ain Shams University Sahar Saad-Eldin A. Zaki

Assistant Professor of Pathology Faculty of Medicine, Ain Shams University

Rduaa Mostafa

Sahal Saaleld

Ain Shams University

1997



ACKNOWLEDGEMENT

I would like to express my sincere gratitude and respect to *Prof. Dr. Saied Tohamy*, Professor of Obstetrics and Gynaecology, Faculty of Medicine, Ain Shams University, for his masterly teaching, valuable advice, honest assistance, wise guidance, kind supervision and continuous encouragement.

I am particularly indebted to *Dr. Rowaa Abdel-Azeem Mostafa*, Lecturer of Obstetrics and Gynaecology, Faculty of Medicine, Ain Shams University, for his meticulous supervision, continuous support, honest assistance, fruitful suggestions and unlimited help throughout the whole work.

I would like to thank all the workers in the Pathology Department, Faculty of Medicine, Ain Shams University, especially *Dr. Sahar A. Zaki*, Assistant Professor of Pathology for their unlimited help.

GOD bless them all.

M. Ayesh

LIST OF TABLES

		Page
(1)	Age distribution of postmenopausal bleeding in the test group.	- 63 -
(2)	Parity distribution among patients with postmenopausal bleeding in the test group.	- 64 -
(3)	The relation of the estrogen receptors status among the test group and the control group (non-bleeding postmenopausal women).	- 67 -
(4)	The degree of estrogen receptors positivity among test group and control group (non-bleeding postmenopausal women).	- 67 -
(5)	The relation of estrogen receptors status among the test group and the control group (premenopausal bleeding).	- 68 -
(6)	The degree of estrogen receptors positivity between the test group and the control group (premenopausal bleeding).	- 68 -
(7)	The relation of the estrogen receptors status among the different endometrial patterns in the test group.	- 69 -

LIST OF DIAGRAMS

		Page
(1)	Diagramatic representation of the source of estrogen in the postmenopausal women.	12
(2)	Peroxidase anti-peroxidase (PAP) technique for estrogen receptors immunocytochemical assays (From Bourne, 1983).	56
(3)	PAD method . The	
	PAP method: The primary antibody is specific to the antigen. The secondary (link) antibody is capable binding to both the primary and the PAP complex. Then the substrate is added to localize (the reaction) (From Bourne, 1983).	57

LIST OF APPENDIX

		P ag e
(1)	Estrogen receptor intensity, in different endometrial patterns of postmenopausal bleeding in the test group.	- 70 -
(2)	Intensity of estrogen receptor in different endometrial patterns in the control group.	- 71 -
(3)	The intensity of estrogen receptors in hyperplastic endometrium.	- 72 -