Biochemical estimation of Estrogen Receptors (ER) in decidua of pre-eclamptic patients

Thesis Submitted for partial fulfillment of the degree of (M.S.) (Obstetrics & Gynecology)

> By Mohammed Mostafa Kamal

M.B,B.ch. (Cairo university) Resident in Fayoum general hospital

Supervised by

Prof. Dr. Ibrahim Yassin Abou - Senna

Professor of obstetrics& gynecology Faculty of medicine Ain Shams university

Dr. Sanaa Eissa Hamed

Associate professor in biochemistry Faculty of medicine Ain Shams university

Dr. Alaa El-Dien Abd El-Aziz El-Gendy

Lecturer, obestet. & gynec. Faculty of medicine Ain Shams university

Faculty of medicine Ain Shams university 1006





To all contributors in building the human knowledge; those who began before and those who will continue after words

1.

711

No. of

Acknowledgment

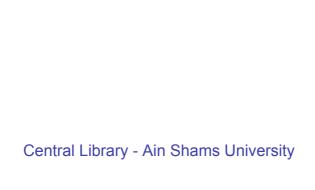
It is my greatest pleasure to express my deepest gratitude and thanks to Prof. Dr. Ibrahim Yassin Abou—Senna , Professor of Obstetrics & Gynecology , Faculty of medicine , Ain Shams University for suggesting and planning the present study , for his valuable advice , continuos directions and for his kind and sincere help and for the generous effort he devoted in close supervision and revising the work .

I feel sincere gratitude to Dr. Sanaa Eissa Hamed, Associate professor in Biochemistry, Faculty of medicine, Ain Shams University for her unfailing help, sincere co-operation and advice during the course of this work.

I am deeply indebted and grateful to Dr. Alaa El-Din Abd El Aziz El Gendy, Lecturer, Obstet. & Gynaec., Faculty of medicine, Ain Shams University for his continuos patience and sincere help and efforts to accomplish this work.

I am very thankful to all the doctors and the team work of the Tumor Marker Diagnostic Unite, Biochemistry department, Faculty of medicine, Ain Shams University for there help and sharing to complete this work.

God only can reward all



€50.5

Contents

Chapter	Page
• Introduction & Aim of the work	1 -4
• Review of literature	5 - 99
Pre-eclampsia	
History	6
Definitions	8
Incidence	15
Etiology	16
Pathophysiology	36
Diagnosis	58
Investigations	70
Management	79
Estrogen receptors	92
• Subjects and methods	100 - 106
• Results	107 - 122
• Discussion	123 - 129
Summary and conclusion	130 - 133
• References	134 - 191
• Arabic summary	192 - 196



LIST OF TABLES

Table no	o. Contents	Page
1	Severity classification of pre-eclampsia	10
2	Familial tendency in pre-eclampsia	18
3	Normal hemodynamic changes in pregnancy	40
4	Urinary diagnostic indices in pre-eclampsia	65
5 -14	Tables of the results of the study	111 - 122

List of figures

Fig.	no. Contents	Page
1	Speroff's hypothesis for the relation of prostaglandins and pre-eclampsia	38
2	Glomerular capillary lesions of pre-eclampsia	43
3	Scanning electron micrographs of kidneys in pre-eclampsia	44
4	The biosynthesis pathway for thromboxane and prostacycline	e 49
5	C.T scan of eclamptic patient	54
6	Hepatic involvement in pre-eclampsia	57
7	Eclamptic woman	68
8	Cerebral Hge. in eclampsia	69
9	I.V Protocol for magnesium sulphate administration	81
10	I.M Protocol for magnesium sulphate administration	82
11	Management of severe pre-eclampsia	88
12	Management of mid and moderate pre-eclampsia	91
13	ER Conc. in studied groups	113
14	The level of ER in presence and absence of albumin in studied groups	114
15	Correlation between ER and presence of albumin in studied groups	116

