

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأفلام قد أعدت دون أية تغييرات



## يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

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To be Kept away from Dust in Dry Cool place of  
15-25- c and relative humidity 20-40%

# بعض الوثائق الأصلية تالفة

بالرسالة صفحات  
لم ترد بالأصل



Faculty of Medicine

*Endothelial Dysfunction In Gestational Diabetes  
Mellitus, Clinicopathological Study*

**THESIS**

Submitted For Partial Fulfillment Of M.D. Degree In Clinical Pathology

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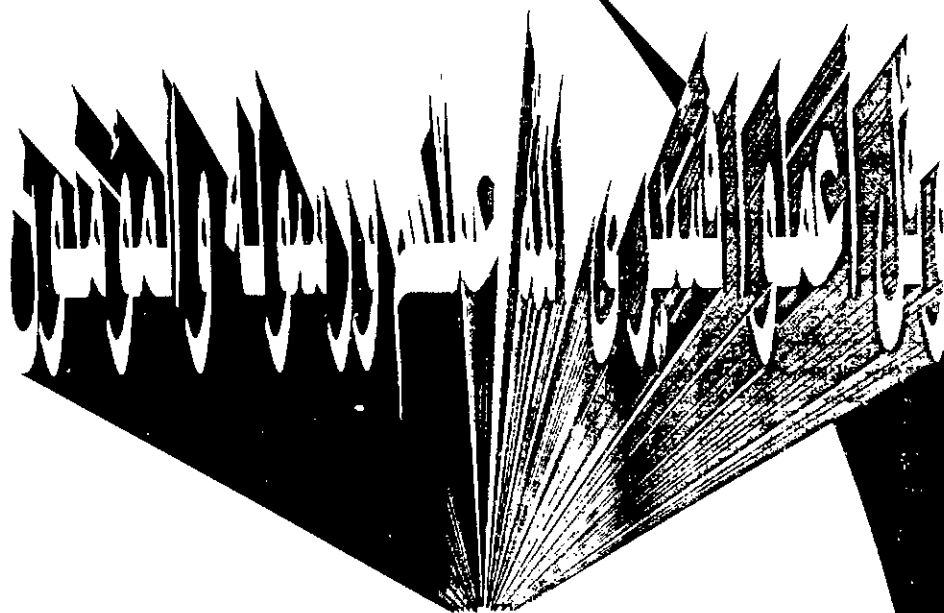
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**2003**

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صدق الله العظيم

سورة التوبة - آية ١٥

قرآن كريم

In The Name of Allah, The Most  
Beneficent, The Most Merciful  
To . . . . .

My Big Family; My Parents, My Brothers  
And My Sisters.

And To . . . . .

My Small Family; My Lovely Wife . .

My Little Daughter . . . Nora . . .

\* \* \*



# ACKNOWLEDGMENTS

## ACKNOWLEDGMENTS

It is a great pleasure to express my sincere and deepest gratitude to **Dr. Osama Baker Sedik Osman**, Professor of Clinical Pathology, Faculty of Medicine, Assiut University, who was kind enough to give me part of his busy time and for his endless help, valuable discussion throughout the work and keen supervision.

I wish to express my greatest and deepest thanks to **Dr. Sohair Mohamed Ahmed**, Professor of Clinical Pathology, Faculty of Medicine, Assiut University, for her very kind supervision, continuous encouragement, the meticulous follow up of the practical steps and for her useful advises that give me greatest help during the course of the work.

I wish to express my greatest and deepest thanks to **Dr. Momen Ahmed Mohamed Kamel**, Assistant Professor of Obstetrics and Gynecology, Faculty of Medicine, Assiut University, for his valuable enthusiastic, sincere supervision, guiding, helping in writing and sparing his time during the preparation and revision of every part of this work.

I acknowledge with deep appreciation **Dr. Tagreed Kamal**, Lecturer of Clinical Pathology, Faculty of Medicine, Assiut University, for her support and help during the course of this work.

Also, I acknowledge with deep appreciation **Dr. Abdel-Raheim M.A Meki**, Assistant Professor of Biochemistry, Faculty of Medicine, Assiut University, for his support and help during the course of this work.

I would like to thank all the staff members and my colleagues in Department of Clinical Pathology, Faculty of Medicine, Assiut

University, and all the staff members and my colleagues in the Department of Obstetrics & Gynecology, Faculty of Medicine, Assiut University for their kind help and cooperation during the fulfillment of this work.

I would like to thank all the patients who participated in this thesis, for their help to offer the blood samples and their obstetric history.

*Mohamed P. M. Khalil*

2003

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## List of Abbreviations

<b>aa</b>	Amino acid
<b>ADA</b>	American Diabetes Association
<b>ADP</b>	Adenosine diphosphate
<b>AGEs</b>	Advanced glycation end products
<b>Ca<sup>2+</sup></b>	Calcium ion
<b>cAMs</b>	Circulating adhesion molecules
<b>cGMP</b>	Cyclic 3'5' guanosine monophosphate
<b>CLA</b>	Cutaneous lymphocyte antigen
<b>CO</b>	Carbon monoxide
<b>Cu</b>	Copper
<b>Cu<sup>+</sup></b>	Cuprous (containing copper in its monovalent form)
<b>ECE-1</b>	Endothelin-converting enzyme
<b>EC-SOD</b>	Extracellular SOD
<b>EDCFs</b>	Endothelium-derived contracting factors
<b>EDHF</b>	Endothelium-derived hyperpolarizing factor
<b>EDTA</b>	Ethylene diamine tetraacetic acid
<b>EGF</b>	Epidermal growth factor
<b>ELISA</b>	Enzyme linked immunosorbent assay
<b>eNOS</b>	Endothelial NOS
<b>ESL-1</b>	E-selectin ligand-1
<b>ET-1</b>	Endothelin-1
<b>ET-2</b>	Endothelin-2
<b>ET-3</b>	Endothelin-3
<b>FAD</b>	Flavin adenine dinucleotide
<b>Fe<sup>2+</sup></b>	Ferric iron
<b>Fe<sup>3+</sup></b>	Ferrus iron
<b>FMN</b>	Flavin mononucleotide
<b>GD</b>	Gestational diabetes
<b>GDM</b>	Gestational diabetes mellitus
<b>GlyCAM-1</b>	Glycosylated cell adhesion molecule-1
<b>GSH</b>	Glutathione
<b>GSSG</b>	Oxidized glutathione
<b>H<sub>2</sub>O<sub>2</sub></b>	Hydrogen peroxide
<b>Hb A<sub>1c</sub></b>	Glycated haemoglobin
<b>HDL</b>	High-density lipoprotein
<b>HLA</b>	Human lymphocyte antigen
<b>ICAM-1</b>	Intercellular adhesion molecule-1
<b>IFN</b>	Interferon
<b>Ig</b>	Immunoglobulin