

سامية محمد مصطفى



شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم



سامية محمد مصطفى



شبكة المعلومات الجامعية



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



سامية محمد مصطفى



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



سامية محمد مصطفى



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة



سامية محمد مصطفى



شبكة المعلومات الجامعية



بالرسالة صفحات
لم ترد بالأصل



THIRD GENERATION ORAL CONTRACEPTIVES

ESSAY

*Submitted for partial fulfillment of M.Sc. Degree
In Family Health and Medicine*

By

Mohamed Ahmed Sharshar

Diploma in Obstetrics and Gynecology



Supervised by

Medhat

Prof. Dr. Medhat Essam El-Din Helmy

Professor of Obstetrics and Gynaecology,
Faculty of Medicine - Minufiya University

Dr. Mehany Mahmoud Abd El-Sattar

Assistant Professor of Obstetrics and Gynaecology,
Faculty of Medicine - Minufiya University

*Dr. Mehany Abd
El Sattar*

Dr. Mohamed Samy Kandiel

Assistant Professor of Obstetrics and Gynaecology,
Faculty of Medicine - Minufiya University

*Mohamed
Kandiel*

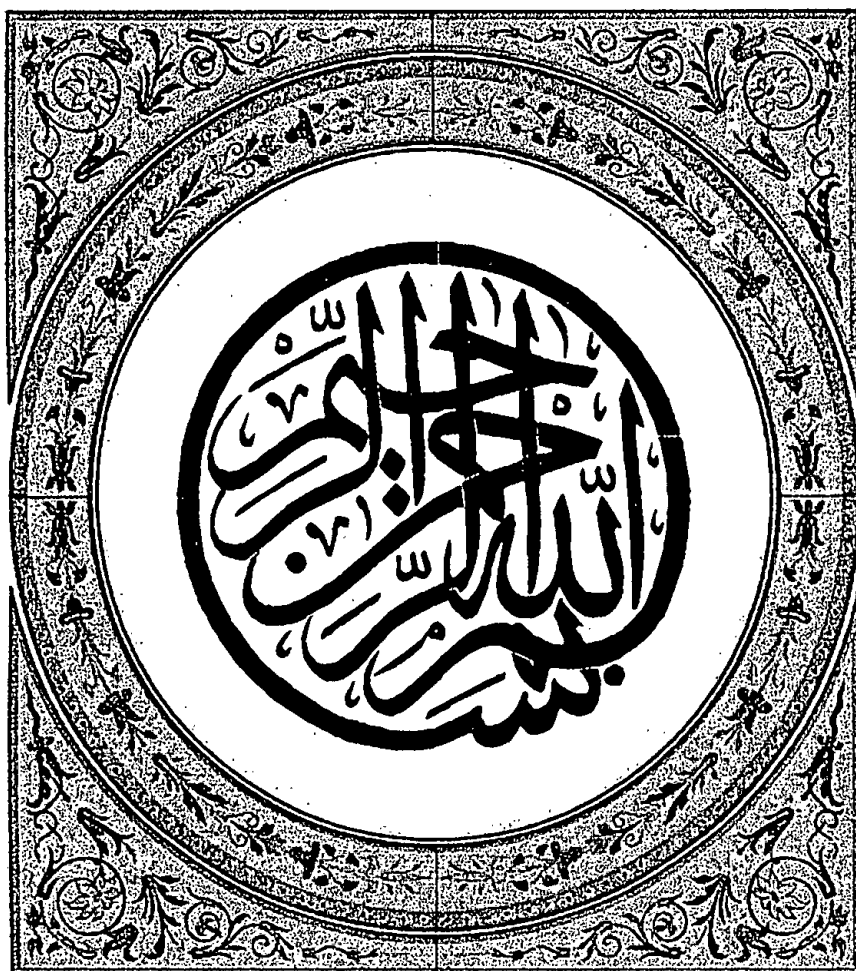
Samy

Dr. Ahmed Nabil

MINUFIYA UNIVERSITY
FACULTY OF MEDICINE
2002

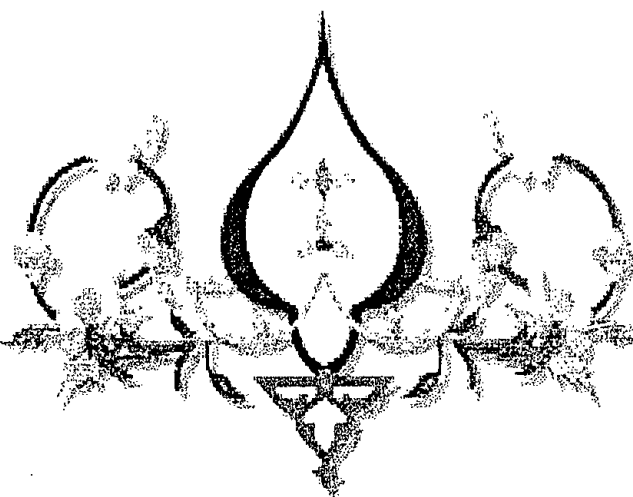
B

10-75



- To the people who gave me every thing to survive .. my parents.
- To my wife and my children,
- To my teachers, at school and university,
- To my patients in every place

THIS WORK IS DEDICATED



Acknowledgement

It is a great privilege to express my sincere gratitude and appreciation to **Prof. Dr. Medhat Essam El-Din Helmy**, Professor of Obstetrics and Gynaecology, Faculty of Medicine, Menoufiya University who has been a good example, for us, both in academics and ethics.

I would like to express my deepest thanks to **Dr. Mehany Abd El-Sattar**, Assistant Professor of Obstetrics and Gynaecology, Faculty of Medicine, Menoufiya University for his effort and contribution in directing this work.

I owe special thanks, and I am grateful to **Dr. Mohamed Kandiel** Assistant Professor of Obstetrics and Gynaecology, Faculty of Medicine, Menoufiya University for his keen supervision and guidance.

Mohamed Sharshar
2002

CONTENTS

PART I:

<u>INTRODUCTION</u>	1
---------------------	---

<u>AIM OF THE WORK</u>	5
------------------------	---

PART II:

<u>REVIEW OF LITERATURE</u>	6
-----------------------------	---

Chapter I: History and Development	6
------------------------------------	---

1.1 History	6
-------------	---

1.2 Trends in oral contraceptive pill use	8
---	---

1.3 Improved formulations	10
---------------------------	----

1.4 Progestins in oral contraceptives	12
---------------------------------------	----

I. Classification	12
-------------------	----

II. Pharmacokinetics	14
----------------------	----

1.5 Mode of action of combined pills	18
--------------------------------------	----

Chapter II: Metabolic effects of oral contraceptives	20
--	----

2.1 Carbohydrate metabolism/diabetes mellitus	20
---	----

2.2 Lipid metabolism/atherogenesis	23
------------------------------------	----

2.3 Haemostatic effects and thromboembolism	26
---	----

Chapter III: Controversial issues in cardiovascular system	29
--	----

3.1 Venous thromboembolism (VTE)	31
----------------------------------	----

3.2 Effect on blood pressure	33
------------------------------	----

3.3 Myocardial infarction (MI)	36
--------------------------------	----

Chapter IV: Advantages and disadvantages of third generation oral contraceptives	40
---	----

<u>SUMMARY</u>	44
----------------	----

<u>ABSTRACTS OF RECENT PAPERS</u>	
-----------------------------------	--

<u>REFERENCES</u>	47
-------------------	----

<u>ARABIC SUMMARY</u>	
-----------------------	--

