شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

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

شبكة المعلومات الجامعية

بعض الوثائق الأصلية تالفة

بالرسالة صفحات لم ترد بالأصل

The Effectiveness of Uterine and Ovarian Doppler Velocimetry on Predicting Pregnancy in Clomiphene Citrate Cycles

Thesis

Submitted for Partial Fulfillment of Master Degree in Obstetrics and Gynecology

By

Amira Saber Abdel-Rahman Mohammad

M.B.B.Ch., Faculty of Medicine – Ain Shams University (2013)
Obstetric and Gynecology resident in Dar ElSalam General Hospital

Under Supervision of

Prof. Sherif Abd Elkhalek Akl

Professor in department of Obstetrics and Gynecology, Faculty of Medicine - Ain Shams University, Cairo-Egypt.

Dr. Mohammed Saeed El-Din El Safty

Assistant professor in Department of Obstetrics and Gynecology, Faculty of Medicine, Ain Shams University, Cairo-Egypt.

Dr. Ahmed Mohammed El-Kotb

Assistant professor in Department of Obstetrics and Gynecology, Faculty of Medicine - Ain Shams University, Cairo-Egypt.

Faculty of Medicine

Ain Shams University 2020

Acknowledgement

*First of all, all gratitude is due to **Allah** almighty for blessing this work, until it has reached its end, as a part of his generous help, throughout my life.*

*Really I can hardly find the words to express my gratitude to **Prof. Sherif Abd Elkhalek Akl**, Professor in department of Obstetrics and Gynecology, Faculty of Medicine, Ain Shams University, Cairo-Egypt, for his supervision, continuous help, encouragement throughout this work and tremendous effort he has done in the meticulous revision of the whole work. It is a great honor to work under his guidance and supervision.*

*I would like also to express my sincere appreciation and gratitude to **Dr. Mohammed Saeed El-Din El Safty**, Assistant professor in Department of Obstetrics and Gynecology, Faculty of Medicine, Ain Shams University, Cairo-Egypt, for his continuous directions and support throughout the whole work.*

*I cannot forget the great help of **Dr. Ahmed Mohammed El-Kotb**, Assistant professor in Department of Obstetrics and Gynecology, Faculty of Medicine, Ain Shams University, Cairo-Egypt for his invaluable efforts , tireless guidance and for his patience and support to get this work into light.*

*I cannot forget the great help of **Dr. Alaa Moustafa** Specialist of Fetal Medicine, Ain shams University for his invaluable efforts, tireless guidance and for her patience and support to get this work into light.*

*Words fail to express my love, respect and appreciation to **my dear sister Dr. Amal Saber** for her unlimited help and support.*

*I am extremely sincere to **my family** who stood beside me throughout this work giving me their support.*

Amira Saber Abdel-Rahman Mohammad

Table of Contents

Page

List of Abbreviations

Abb.	Full term
ART	: Assisted reproductive technology
BMI	: Body mass index
CC	: Clomiphene citrate
DHEAS	: Dehydroepiandrosterone sulphate
DM	: Diabetes Mellitus
ET	: Endometrial thickness
ET	: Embryo transfer
FFF	: Follicular fluid factor
FSH	: Follicular stimulating hormone
GnRH	: Gonadotropin releasing hormone
hCG	: Human chorionic gonadotropin
HDL	: High density lipoprotein
HMG	: human menopausal gonadotrophin
HPO	: Hypo-thalamo-pitutary ovarian
HSG	: Hystro salpingography
ICSI	: Intracytoplasmic sperm injection
IGF	: insulin growth factor
IGT	: Impaired glucose tolerance
IUI	: Intra uterine insemination
IVF	: Invitro fertilization
LBW	: Low birth weight
LDL	: Low density lipoprotein
LH	: Lutinizing hormone
NPV	: Negative predictive value
OHSS	: Ovarian hyper stimulation syndrome
PCOS	: Poly cystic ovary syndrome

Abb.	Full term
PI	: Pulsatility index
PID	: Pelvic inflammatory disease
PPV	: Positive predictive value
PRF	: Pulse repetition frequency
PSV	: Peak systolic velocity
RI	: Resistance index
SERM	: Selected estrogen receptor modulator
SHBG	: Sex hormone binding globulin
TGF	: transforming growth factor

List of Tables

List of Figures