شبكة المعلومات الجامعية

بسم اللّه الرحمن الرحيم

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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لم ترد بالأصل

Biochemistry Department
Faculty of Science
Ain Shams University

Role of Vitamin D Receptor Polymorphism in Nephropathy of Type II Diabetes Mellitus patients

A thesis submitted for the degree of master in science as a partial fulfillment for requirements of the master degree in science

By

Noha Mohammed Sharkawy

(B.Sc. in Biochemistry/Chemistry, 2007)

Under Supervision of

Prof. Dr. Dina M. Seoudi

Professor of Biochemistry

Faculty of science - Ain Shams University

Dr. Abdel-Rahman B. Abdel-Ghaffar

Assistant Professor of Biochemistry

Faculty of science -Ain Shams University

Dr. Doaa Mostafa Gharib

Assistant Professor of Medical Biochemistry and Molecular Biology

Faculty of Medicine- Cairo University

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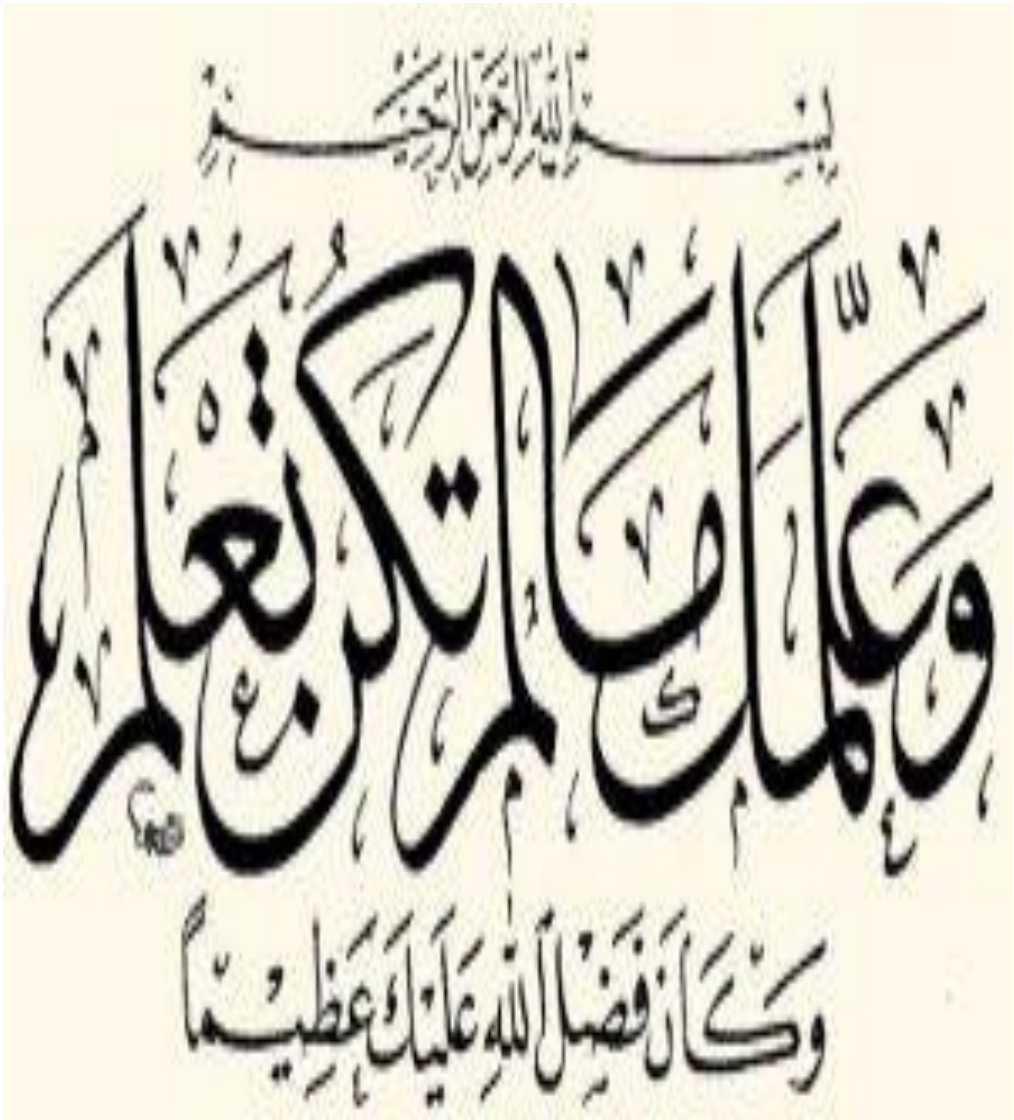
بسم الله الرحمن الرحيم
وعلمك ما لم تكن تعلم
وكان فضل الله عليك عظيما

Dedication

At first, I praise and thank Allah for his greatness and for giving me the strength and courage to complete this thesis.

I would like to dedicate this work with all my deepest love and appreciation to every member of my faithful family, father, mother, brother, sister and my husband for their endless love, support and encouragement and for all my friends and those from whom I have learned, whatever and whenever they are.

Noha M. Sharkawy

Declaration

I declare that this thesis has been composed and the work recorded here has been done by me.

I have not been submitted for any other degree at thesis or any other university.

Noha M. Sharkawy

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List of Abbreviations

Abbreviation	Full name
A	Absorbance
ACE	Angiotensin converting enzyme
ACR	Albumin to Creatinine ratio
AGEs	Advanced glycation end products
ANG I	Angiotensin I
ANOVA	One way analysis of variance
ATP	Adenosine triphosphate
BUN	Blood Urea Nitrogen
Conc.	Concentration
CKD	Chronic kidney disease
DAG	Diacylglycerol
DM	Diabetes mellitus
DNA	Deoxyribonucleic acid
dNTPs	Deoxynucleotide triphosphates
DN	Diabetic nephropathy
ECM	Extracellular matrix
EDTA	Ethylene diamine tetra acetic acid
ELISA	enzyme-linked immunosorbent assay
ESRD	End stage renal disease
ET-1	Endothelin-1
EtBr	Etidium Bromide
Fig.	Figure
G	Guanine
GDPH	glyceraldehyde-3-phosphate dehydrogenase
GFR	Glomerular filteration rate
GHb	Glycosylated Hb
GLUT4	Glucose transporter 4
HbA1C	Glycated Hemoglobin