بسم الله الرحمن الرحيم

MONA MAGHRABY

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

MONA MAGHRABY

شبكة المعلومات الجامعية

التوثيق الإلكتروني والميكروفيلم

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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MONA MAGHRABY

Effects of Ramadan Fasting On Diabetic Nephropathy in Type 2 Diabetic Patients

A Thesis

Submitted for partial fulfillment of Master Degree
in Endocrinology and Metabolism
Faculty of Medicine, Ain Shams University

By

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قالوا
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إلا ما علمتنا إنك أنت
العليم الحكيم
صدق الله العظيم
سورة البقرة الآية: ٣٢

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NourAlhoda Ahmed Abdal Jalil

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List of Abbreviations

Abbr.	Full-term
ACE	**:** Angiotensin-converting enzyme
ACR	**:** Albumin/creatinine ratio
ADA	**:** American Diabetes Association
AGE	**:** Advanced glycation end products
AKI	**:** Acute kidney injury
ANG II	**:** Angiotensin II
ARBs	**:** Angiotensin II receptor blockers
BCAA	**:** Branches chain Amino Acid
BG	**:** blood glucose
BID	**:** Twice daily
BMI	**:** Body mass index
BP	**:** Blood pressure
CKD	**:** Chronic kidney disease
CTGF	**:** Connective tissue growth factor
CV	**:** Cardio vascular
CVD	**:** Cardiovascular disease
DBP	**:** Diastolic blood pressure
DCCT	**:** Diabetes Control and Complications Trial
DKA	**:** Diabetic ketoacidosis
DM	**:** Diabetes mellitus
DN	**:** Diabetic nephropathy
DPP-4	**:** Dipeptidyl peptidase-4
ECM	**:** Extracellular matrix
eGFR	**:** estimated GFR
EPIDIAR	**:** Epidemiology of Diabetes and Ramadan
ESRD	**:** End-stage renal disease
FBG	**:** Fasting blood glucose
FFA	**:** Free fatty Acid

GBM : Glomerual basement membrane
GFR : Glomerular filtration rate
GLP-1 RAs : Glucagon-like protein-1 receptor agonists
Hb : Hemoglobin
HbA1c : Hemoglobin A1C
HBS : Hemoglobin S
HCPs : Health Care Professionals
HPLC : High performance liquid chromatography
IDF : International Diabetes Federation
IFG : Impaired fasting glucose
IFTA : Interstitial fibrosis and tubular atrophy
IGT : Impaired glucose tolerance
LDL : Low-density lipoprotein
MAPK : Mitogen activated protein kinase
NADPH : Nicotinamide adenine dinucleotide phosphate
NHANES : National Health and Nutrition Examination Survey
NPH : Neutral protamine Hagedorn
OD : Once daily
OGTT : Oral glucose tolerance test
OHG : Oral hypoglycemics
PI3 : Phosphatidylinositol 3
PP : Post prandial
RAS : Renin-angiotensin system
RAS : Renin-angiotensin system
READ : Ramadan Education and Awareness in Diabetes
ROS : Reactive oxygen species
SBP : Systolic blood pressure
SD : Standard deviation
SGLT2 : Sodium-glucose co-transporter 2
SMBG : Self-monitoring of blood glucose
SNDR : Saudi National Diabetes Registry
SNGFR : Single nephron glomerular filtration rate

SU : Sulphonylurea
T1DM : Type 1 diabetes mellitus
T2DM : Type 2 diabetes mellitus
TGF beta : Tissue growth factor beta
TGF-β1 : Transforming growth factor beta
TID : Three times a day
TZD : Thiazolidinedione
UAE : Urinary albumin excretion
UAER : Urinary albumin excretion rate
UKPDS : UK Prospective Diabetes Study
VEGF : Vascular endothelial growth factor
vWF : Willebrand factor
2h PG : 2 hour post prandial plasma glucose

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