



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكرو فيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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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
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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

لَسْبِقَانِكَ لَا عِلْمَ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْعَظِيمُ

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List of Contents

<i>Subject</i>	<i>Page No.</i>
List of Abbreviations.....	i
List of Tables.....	ii
List of Figures	iv
Introduction	1
Aim of the Work.....	3
Review of Literature	
Type 2 Diabetes Mellitus	4
Diabetic Nephropathy	21
Ramadan and DM	59
Subjects and Methods	92
Results.....	105
Discussion	129
Summary and Conclusion	140
Recommendations	144
References	145
Arabic Summary	—

List of Abbreviations

<i>Abbr.</i>	<i>Full-term</i>
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	: Glomerular 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

List of Tables

Table No.	Title	Page No.
Table (1):	Criteria for the diagnosis of type 2 DM.....	13
Table (2):	Summary of glycemic recommendations for nonpregnant adults with diabetes	17
Table (3):	Dietary advice for patients with diabetes during Ramdan.....	79
Table (4):	Recommendations for adjusting diabetes medications during Ramadan fasting	89
Table (5):	American Diabetic Association Classification of Microalbuminuria	102
Table (6):	Comparison between studied groups before Ramadan as regards clinical characteristics:	106
Table (7):	Comparison between the 3 groups before Ramadan as regards laboratory parameters.	108
Table (8):	Comparison between the 3 groups after Ramadan as regards anthropometric measures and laboratory parameters:	110
Table (9):	Comparison of anthropometric measures and laboratory parameters before and after Ramadan in all studied groups.....	112
Table (10):	Comparison of percentage change (before and after Ramadan) in renal function tests between studied groups,	115
Table (11):	Correlation of creatinine concentration with other studied parameters in normoalbuminuria group.....	117
Table (12):	Correlation of creatinine concentration with other studied parameters in microalbuminuria group.....	118

Table (13):	Correlation of creatinine concentration with other studied parameters in macroalbuminuria group.....	119
Table (14):	Correlation of GFR with other studied parameters in normoalbuminuria group.	120
Table (15):	Correlation of GFR with other studied parameters in microalbuminuria group.....	121
Table (16):	Correlation of GFR with other studied parameters in macroalbuminuria group.....	122
Table (17):	Correlation of A/C ratio with other studied parameters in normoalbuminuria group.	123
Table (18):	Correlation of A/C ratio with other studied parameters in microalbuminuria group.....	124
Table (19):	Correlation of A/C ratio with other studied parameters in macroalbuminuria group.....	125
Table (20):	Correlation of HbA1C with other studied parameters in normoalbuminuria group.	126
Table (21):	Correlation of HA1C with other studied parameters in microalbuminuria group.....	127
Table (22):	Correlation of HA1C with other studied parameters in macroalbuminuria group.....	128

List of Figures

<i>Figure No.</i>	<i>Title</i>	<i>Page No.</i>
Figure (1):	Pathophysiology of Hyperglycemia and increased circulating fatty acids in type 2 Diabetes.....	6
Figure (2):	Overview of the pathogenesis of type 2 diabetes mellitus.....	8
Figure (3):	Diabetes by Race/Ethnicity	10
Figure (4):	Prevalence of type 2 diabetes mellitus in various racial and ethnic groups in the United States (2007-2009 data).....	11
Figure (5):	Long-term complications of diabetes mellitus.....	19
Figure (6):	Risk factors, metabolic abnormalities and complications of Type 2 diabetes.....	20
Figure (7):	Effect of diabetes of the kidney	22
Figure (8):	Kidney biopsy images of diabetic nephropathy.....	25
Figure (9):	Overview of pathological pathways in diabetic nephropathy.....	30
Figure (10):	Pathophysiology of diabetic nephropathy.	31
Figure (11)	Risk factors associated with progression	36
Figure (12):	Screening for nephropathy	38
Figure (13):	Pathways to microalbuminuria in diabetes.....	44

Figure (14): Urine albumin/creatinine ratio (ACR)	49
Figure (15): Algorithm: Screening for proteinuria.....	52
Figure (16): Treatment algorithm for diabetic nephropathy.	58
Figure (17): Physiology of feeding and fasting in non- diabetic healthy individuals	65
Figure (18): Pathophysiology of fasting in patients with diabetes.....	66
Figure (19): Typical day during Ramadan	66
Figure (20): Mean continuous glucose monitoring profiles before and during Ramadan in healthy subjects (A) and patients with diabetes (B)	67
Figure (21): Recommended timings to check blood glucose levels during Ramadan fasting.....	71
Figure (22): Targets of Ramadan – focused diabetes education	72
Figure (23): Key components of a Ramadan-focused education programme	75
Figure (24): A seven point blood glucose monitoring guide for people with diabetes fasting during Ramadan	78
Figure (25): When to be break the fast.....	81
Figure (26): Recommendations to prevent diabetes- related adverse events risks during Ramadan	85
Figure (27): Ramadan patient assessment flowchart. HCP, healthcare professional; SMBG, self-monitoring of blood glucose.....	86

Figure (28): Non-insulin dose modifications for patients with T2DM.....	90
Figure (29): Insulin dose modifications for patients with diabetes.....	91
Figure (30): GFR in all studied groups before and after Ramadan.	113
Figure (31): GFR in all studied groups before and after Ramadan.	113
Figure (32): A/C ratio in all studied groups before and after Ramadan.....	114
Figure (33): A/C ratio in all studied groups before and after Ramadan.....	114
Figure (34): Percentage change in renal function tests in all studied groups.	116