

بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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بالرسالة صفحات
لم ترد بالأصل



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COLONIC MOTILITY DYSFUNCTION AMONG TYPE 2 DIABETIC PATIENTS

THESIS

Submitted in Partial Fulfillment of M.D. in
Internal Medicine

By

Gamal Mahmoud Salem El-Shebini

(M.B., B.Ch., M.Sc.)

Supervisors

Prof. Dr. Sherif Ibrahim Hafez

*Professor of Internal Medicine
Faculty of Medicine, Cairo University*

Prof. Dr. Yehia Ahmed Ali

*Professor of Diagnostic Radiology
Faculty of Medicine, Cairo University*

Prof. Dr. Mohamed Sherif Mogawer

*Professor of Internal Medicine
Faculty of Medicine, Cairo University*

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الممتحن الداخلى
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ABSTRACT

Large intestinal, descending colon, distal colon transit times were delayed in diabetics with autonomic neuropathy compared to non-diabetic controls and to diabetic without autonomic neuropathy ($P < 0.05$). There was no difference in proximal colon transit times among them. There was no relationship between colonic transit and peripheral neuropathy in any of the studied subjects. Consequently autonomic neuropathy may play a more important role in gastrointestinal motility disorders rather than peripheral neuropathy. While, in diabetics with nephropathy and retinopathy, large intestinal transit times were significantly delayed. In this respect, and based on the result we reported here, we would suggest that there is a relationship between large intestinal motility disorders and microangiopathy in diabetes mellitus and that autonomic neuropathy plays a causative role in the pathogenesis of large intestinal motility disorders.

Key Words :

Colon transit.

Autonomic neuropathy.

Peripheral neuropathy.

Nephropathy.

Retinopathy.

Micro angiopathy.

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Dedication

To my place of work, which I am proud of
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which gave me, chance to work in this field

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LIST OF ABBREVIATIONS

Abd. U/S	Abdominal ultrasound
ADA	American diabetes association
ARA	Ano-rectal angle
ARC	Anterior rectocele
ARJ	Ano-rectal junction
CCK	Cholecystokinin
CVA	Cerebrovascular accidents
CV _{RR}	Cardiovascular R-R interval
DKA	Diabetic ketoacidosis
DM	Diabetes mellitus
DPS	Descending perineal syndrome
FBG	Fasting blood glucose
GAD ₂₅	Autoantibodies against glutamic acid decarboxylase
GDP	Gestational diabetes mellitus
GI	Gastrointestinal
GLP-1	Glucagon like peptide-1
GRP	Gastrin releasing peptide
HbA ₁ C	Glycated haemoglobin
HLA	Human leucocyte antigen
HNKC	Hyperosmolar non-ketotic coma
5-HT	5-Hydroxy tryptamine
IA-2/IA-2B	Autoantibodies against tyrosine phosphatase
IAs	Autoantibodies against insulin
ICAs	Autoantibodies against islet cells

IGT	Impaired glucose tolerance
LADA	Late autoimmune diabetes of adults
MMC's	Migrating motor complexes
OGTT	Oral glucose tolerance test
POT-II	Proteinase inhibitor-II
PPPG	Post-prandial plasma glucose
PRC	Posterior rectocele
PRU	Prucalopride
SGOT	Serum glutamic oxalacetic transaminase
SGPT	Serum glutamic pyruvic transaminase
SMBG	Self monitoring of blood glucose
VIP	Vasoactive intestinal peptide
VU	Vibration units

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