







شبكة المعلومــات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الالكتروني والميكروفيلم



نقسم بللله العظيم أن المادة التي تم توثيقها وتسجيلها علي هذه الأفلام قد اعدت دون آية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

40-20 في درجة حرارة من 15-20 منوية ورطوبة نسبية من

To be kept away from dust in dry cool place of 15 – 25c and relative humidity 20-40 %











Brac.

Faculty of Medicine

IMPACT OF SOME METABOLIC AND HAEMODYNAMIC VARIABLES ON THE CARDIAC MUSCLE IN TYPE 2 DIABETES MELLITUS

Thesis

Submitted for Partial Fulfillment of the Requirement for the Doctoral Degree in Internal Medicine

By

Manal Mohamed Sayed

Master Degree in internal Medicine
Assiut University

Supervised by

Prof.Dr. Fathia K. Ibrahim

Professor of Internal Medicine Faculty of Medicine Assiut University

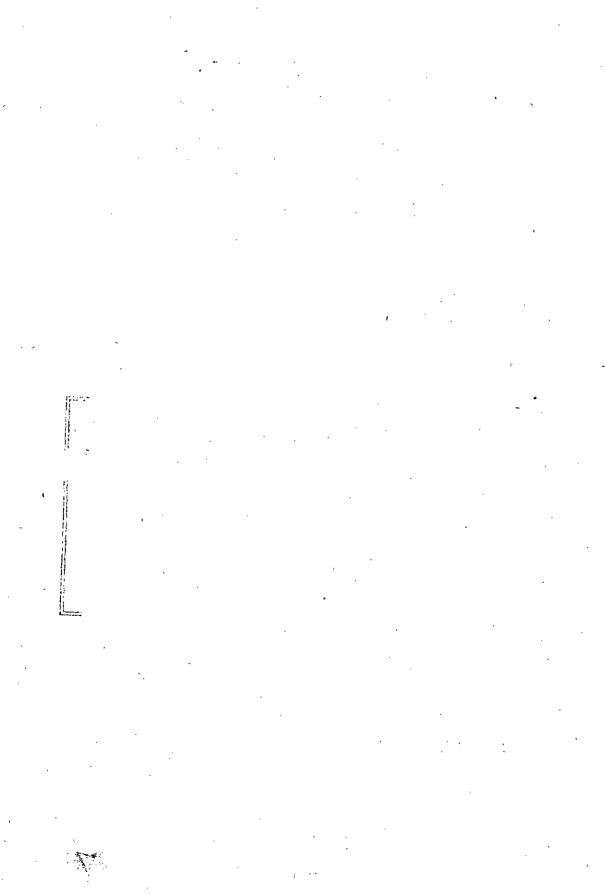
Dr. Mahmoud K. Farrag

Assistant Professor of Internal Medicine, Faculty of Medicine Assiut University

Dr. Taghreed M. Kamal El-Din

Lecturer of Clinical Pathology
Faculty of Medicine
Assiut University

Faculty of Medicine Assiut University 2004

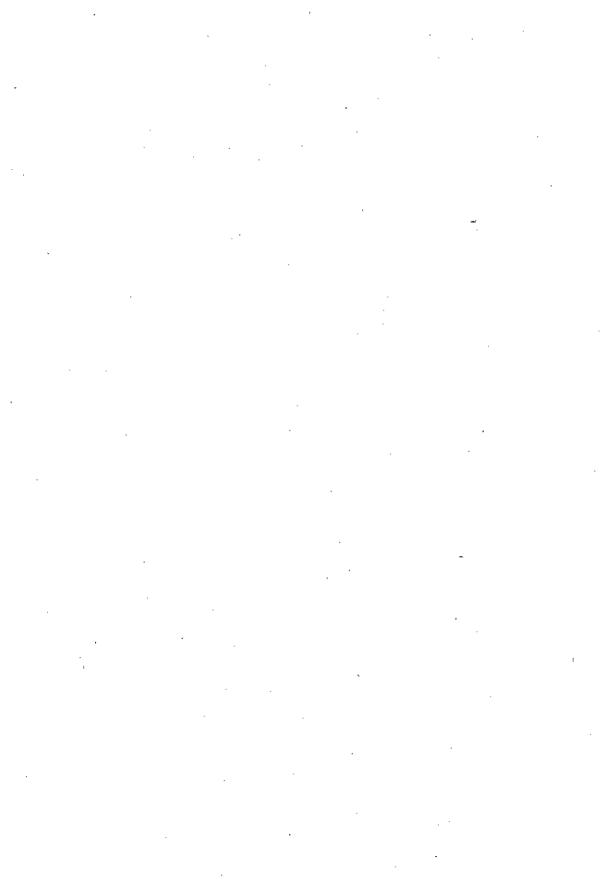




وَالْمُ عَلَيْكُ الْكِتَابِ وَالْمِكُمَةُ وَعَلَمُكُمْ اللَّهِ عَلَيْكُنْ تُعِلَّمُ وَكَانَ وَعَلَمُ وَكَانَ فَضَلَ اللَّهِ عَلَيْكَ عَظِيماً فَضَلَ اللَّهِ عَلَيْكَ عَظِيماً

" صدق الله العظيم "

((سورة النساء .. آية ١٩٣))







Acknowledgments

All thanks to Allah, greatest of all, for the countless gifts I have been offered.

I would like to express my deep thanks and gratitude to Dr. Fathia Kh. Ibrahium, Professor of Internal Medicine, Faculty of Medicine, Assiut University, for her continuous guidance and valuable efforts in revising this study.

I wish to express my particular sincere thanks and gratitude to Dr.Mahmoud K. Farrag, Assistant Professor of Internal Medicine, Faculty of Medicine, Assiut University, whose effort is noticeable and I am deeply grateful to him for his kind helps, guidance and encouragement in all stages to achieve this study and for her support during the whole scope of the work.

I would also like to express my great thanks to **Dr. Taghreed**M. Kamal, Lecturer of Clinical Pathology, Faculty of Medicine, Assiut
University for her help to do the laboratory part of this study and for her
support during the whole scope of the work.

I am most grateful to Dr.Mahmoud A. Abd-El-Aty, Professor of Public Health and Community Medicine, Faculty of Medicine, Assiut University, who encouraged me so much and helped me to design and apply statistical analysis.

My deep thanks are due to Dr. Muhammed Hossam Magharby, Assistant Professor of Internal Medicine, Faculty of Medicine, Assiut University, for his positive help, advice and for the benefit of his experience and knowledge.

I would also like to thank the patients for their cooperation and participation in this study.

