



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

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



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة



شبكة المعلومات الجامعية



بالرسالة صفحات
لم ترد بالأصل

**EVALUATION OF LEFT VENTRICULAR FUNCTION
IN NON - ALCOHOLIC LIVER CIRRHOSIS
BY DOPPLER ECHOCARDIOGRAPHY**

**THESIS
SUBMITTED FOR THE PARTIAL FULFILLMENT
OF
MASTER DEGREE IN CARDIOLOGY**

**BY
AMER AHMED ABO-RAWASH
M.B., B. Ch.**

**SUPERVISED BY
PROF. DR. KHAIRY ABDEL DAIEM
PROFESSOR OF CARDIOLOGY
AIN SHAMS UNIVERSITY**

**PROF. DR. MONA ABO-EL SAUD
PROFESSOR OF CARDIOLOGY
AIN SHAMS UNIVERSITY**


**DR. SHINDY MOHAMED SHINDY
LECTURER OF TROPICAL MEDICINE
THEODOR BILHARZ RESEARCH INSTITUTE**

AIN SHAMS UNIVERSITY

2000

Wp
7

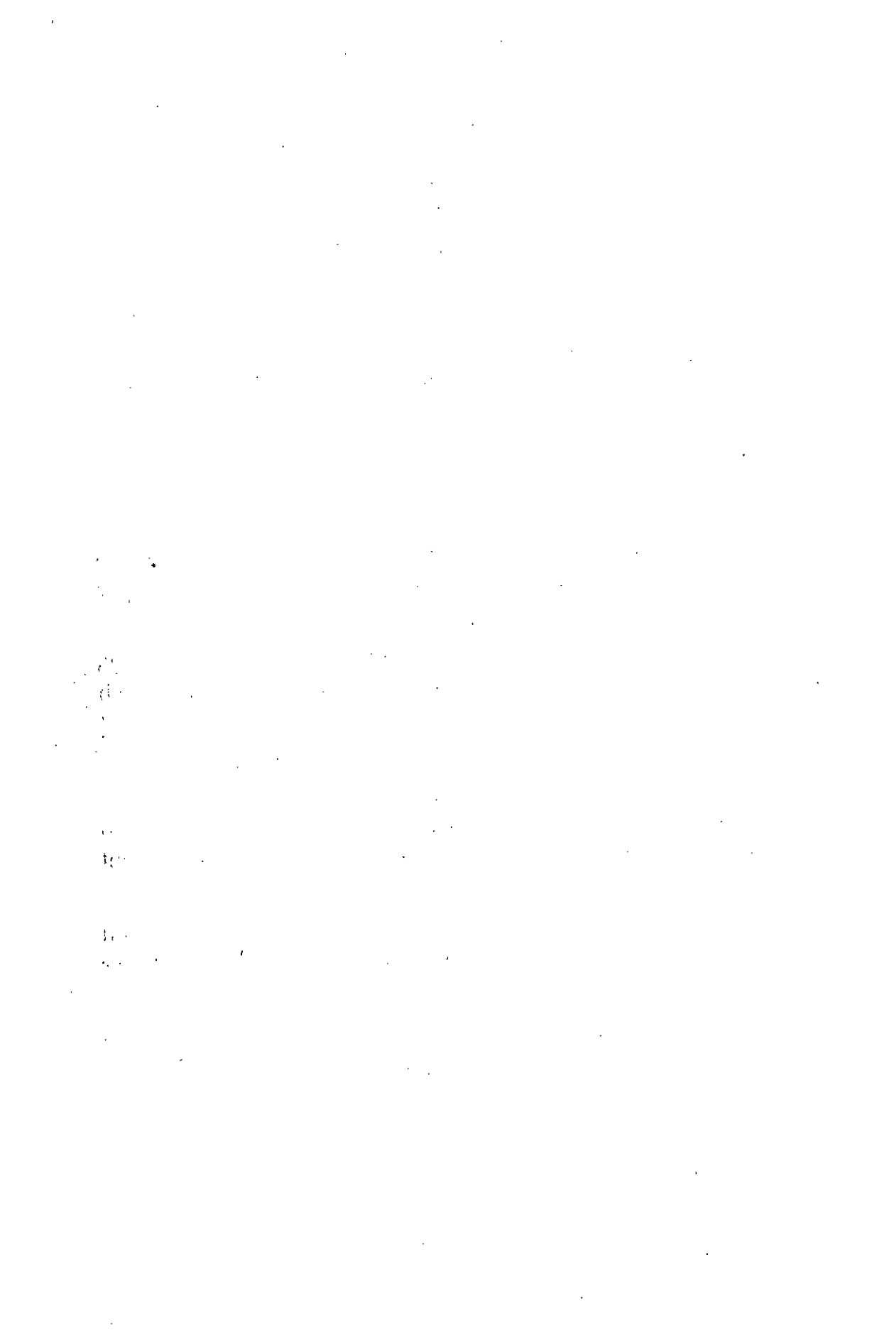
B 7142

refuse 

6/1/79


2000

To my Mother and Father.



Acknowledgment

First and foremost thanks are due to **“God”** the most beneficent and merciful.

I feel greatly and thankful to **prof. Dr. Khairy Abdel Daiem**, Prof. of cardiology, Ain Shams University, for his cooperation, helping, continuous guidance and encouragement.

I would like to express my deepest gratitude and profound appreciation to **Prof. Dr. Mona Abo El-Saud**, Prof. of cardiology, Ain Shams University, for her continuous unlimited help and close supervision throughout the entire work.

I feel deeply thankful to **Dr. Shindy Mohamed Shindy**, lecturer of tropical medicine, Theodore Bilharz Research Institute, for his cooperation, helping and encouragement during this work.

I feel greatly thankful to **Dr. Mervat El-Damarawy**, lecturer of Internal medicine, Theodore Bilharz Research Institute, for her cooperation, helping and encouragement during this work.

I can never forget to express my deep appreciation to all doctors in the intensive care department of **Theodore Bilharz Research Institute** for their great help.

Finally, I wish to express my hot feelings for every one who generously helped in the preparation of this work.

The candidate

CONTENTS

Subject	Page
Introduction	1
Aim of the work	2
Review of literature	
Chapter 1 “Liver Cirrhosis”	3
Chapter2 “Evaluation of Left Ventricular Systolic Function ”	13
Chapter 3 “Evaluation of Left Ventricular Diastolic Function”	26
Chapter 4 “Cardiac Function in Liver Cirrhosis”	44
Subjects and Methods	57
Results	59
Analysis of Results	93
Analysis of the Clinical Data	93
Analysis of the Echocardiographic Data	101
Discussion	111
Conclusion and Recommendations	127
Summary	129
References	133
Arabic Summary	

**INTRODUCTION
AND
AIM OF THE WORK**

