



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

**STUDY OF ANTIARRHYTHMIC EFFECT OF ANGIOTENSIN
CONVERTING ENZYME INHIBITORS IN PATIENTS WITH
ACUTE MYOCARDIAL INFARCTION**

Thesis

**Submitted For Partial Fulfillment Of The Requirements
OF The MD Degree In Internal Medicine**

By

Mona Mohammed Soliman

MSc, M.B.B.CH. , Assiut University

Supervised by

Prof. Samir Said Abd-El Kader
Professor of Cardiology
Faculty of Medicine
Assiut University

Prof. Nabawia Mahmoud Tawfik
Professor of Internal Medicine
Faculty of Medicine
Assiut University

Dr. Mohammed Hussam El Din Magrby
Assistan Professor of Internal Medicine
Faculty of Medicine

2002

B 1201

To my Parents
And
To My Husband

ACKNOWLEDGMENTS

Thanks to *Allah* for all the countless gifts I have been offered.

I am absolutely lucky to be supervised by Prof. *Samir S. Abd El-Kader*, Professor and head of Department of Cardiology, because of his continuous encouragement and assistance during the course of the thesis. He always had time to give sound advice and skillful help. I appreciate very much his generous support throughout the work, which was very important to finish this thesis.

I would like to express my sincere gratitude to Prof. *Nabawia Mahmoud Tawfik*, Professor of internal Medicine, not only for her supervision of this thesis, encouragement, and expert advice throughout this work, but also for her warm sense of sympathy.

I am greatly indebted to Dr. *Mohammed Hussam El Din Magraby*, Assistant Professor of internal Medicine, for his persistent support, critical revision and his effort to complete this work.

My deep thanks go to staff members and colleagues and the nurse staff of the Cardiology Department of Assiut University Hospital and Al-Mabarrah Hospital of National Health Insurance, who were always supportive during the conduction of all steps of this work.



CONTENTS

CONTENTS

	Page
▪ Abbreviations	
▪ Introduction	1
▪ Aim of the work	5
▪ Review of Literature	6
* Chapter I: Renin-angiotensin – aldosterone system RAS	6
* Chapter II: Specific agents and pharmacokinetics of ACE inhibitors.	13
* Chapter III: RAS and ACE inhibitors in AMI	21
* Chapter IV: ACE inhibitors and arrhythmia in AMI	
* Chapter V: Antiarrhythmic mechanisms of ACE inhibitors.	31
	46
▪ Patients and Methods	66
▪ Results	74
▪ Discussion	99
▪ Summary and Conclusion	119
▪ References	124
▪ Master Sheet	157
▪ Arabic Summary	

