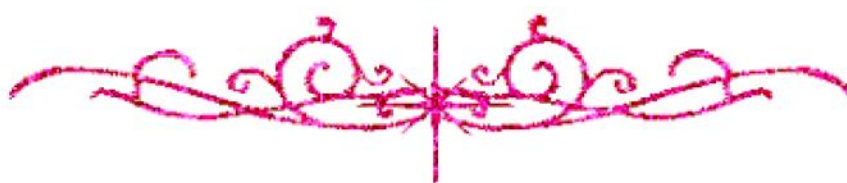


hossam maghraby



شبكة المعلومات الجامعية

# بسم الله الرحمن الرحيم



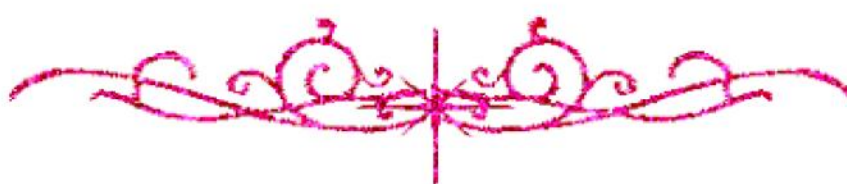
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شبكة المعلومات الجامعية



# شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم





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شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



## يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



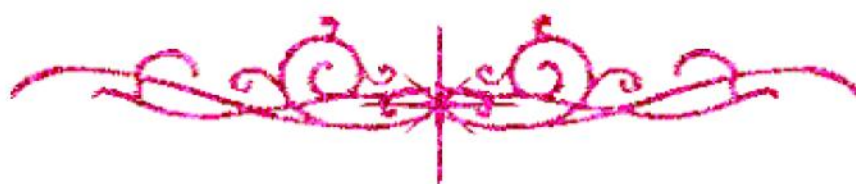
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# بعض الوثائق الأصلية تالفة





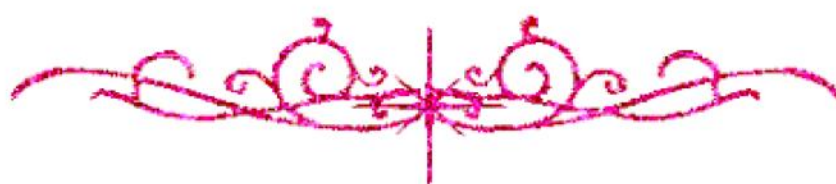
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**بالرسالة صفحات  
لم ترد بالأصل**



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

اقْرَأْ بِسْمِ رَبِّكَ الَّذِي خَلَقَ : خَلَقَ الْإِنْسَانَ مِنْ عَلَقٍ : اقْرَأْ  
وَرَبُّكَ الْأَكْرَمُ : الَّذِي عَلَّمَ بِالْقَلَمِ : عَلَّمَ الْإِنْسَانَ مَا لَمْ يَعْلَمْ :

صَلَّى  
الْعَظِيمُ

(سورة العلق الآيات من ١-٥)

صلى الله عليه وسلم  
١٩٠٠  
٩٥

# **STUDY OF SERUM IRON AND FERRITIN IN PATIENTS WITH ISCHEMIC HEART DISEASES**

B17724

THESIS

Submitted to The Medical Research Institute,  
In partial fulfillment of the requirements for the  
**Degree of Master of Chemical Pathology**

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*Dedicated to*

*My Husband*

*and*

*My Daughters Shreen & Lora*



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## LIST OF ABBREVIATIONS

AMI	: acute myocardial infarction
Apo A	: Apoprotein A
Apo B	: Apoprotein B
Apo B <sub>100</sub>	: Apoprotein B <sub>100</sub>
Apo C	: Apoprotein C
Apo D	: Apoprotein D
Apo E	: Apoprotein E
HCO <sub>3</sub> <sup>-</sup>	: Bicarbonate
CA	: coronary artery
CHD	: coronary heart disease
CK-MB	: creatine kinase-MB
CU	: copper
DNA	: deoxyribonucleic acid
ECF	: extracellular fluid
ECG	: electrocardiogram
EDTA	: ethylene diamine tetra acetic acid
e <sup>-</sup>	: electron
FBG	: fasting blood glucose
Hb	: haemoglobin
Ht	: haematocrit
HCL	: hydrochloric acid
HRP	: horse radish peroxidase
H	: hydrogen
OH	: hydroxyl radical
H <sub>2</sub> O <sub>2</sub>	: hydrogen peroxide
HDL	: high density lipoprotein
HDL-C	: high density lipoprotein cholesterol
Fe	: iron
IHD	: ischaemic heart disease
LCAT	: lecithin cholesterol acyl transferase
LDL	: low density lipoprotein
LDL-C	: low density lipoprotein cholesterol