



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

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

ROLE OF HIGH RESOLUTION COMPUTED TOMOGRAPHY (HRCT) IN PULMONARY TUBERCULOSIS

Thesis

*Submitted for Partial Fulfillment of Master Degree
In (Chest Diseases and Tuberculosis)*

By

HYAM EL-SAID MOHAMED
M.B.B.Ch.

Supervisors

DR. AYMAN ABD EL-RAHMAN

Assis. Prof. of Chest Department
Benha Faculty of Medicine

DR. TAMER KAMAL

Assis. Prof. of Radiology
Benha Faculty of Medicine

DR. ALI ALI OKAB

Lecturer of Chest Department
Benha Faculty of Medicine

DR. AHDAF AHMED ENAN

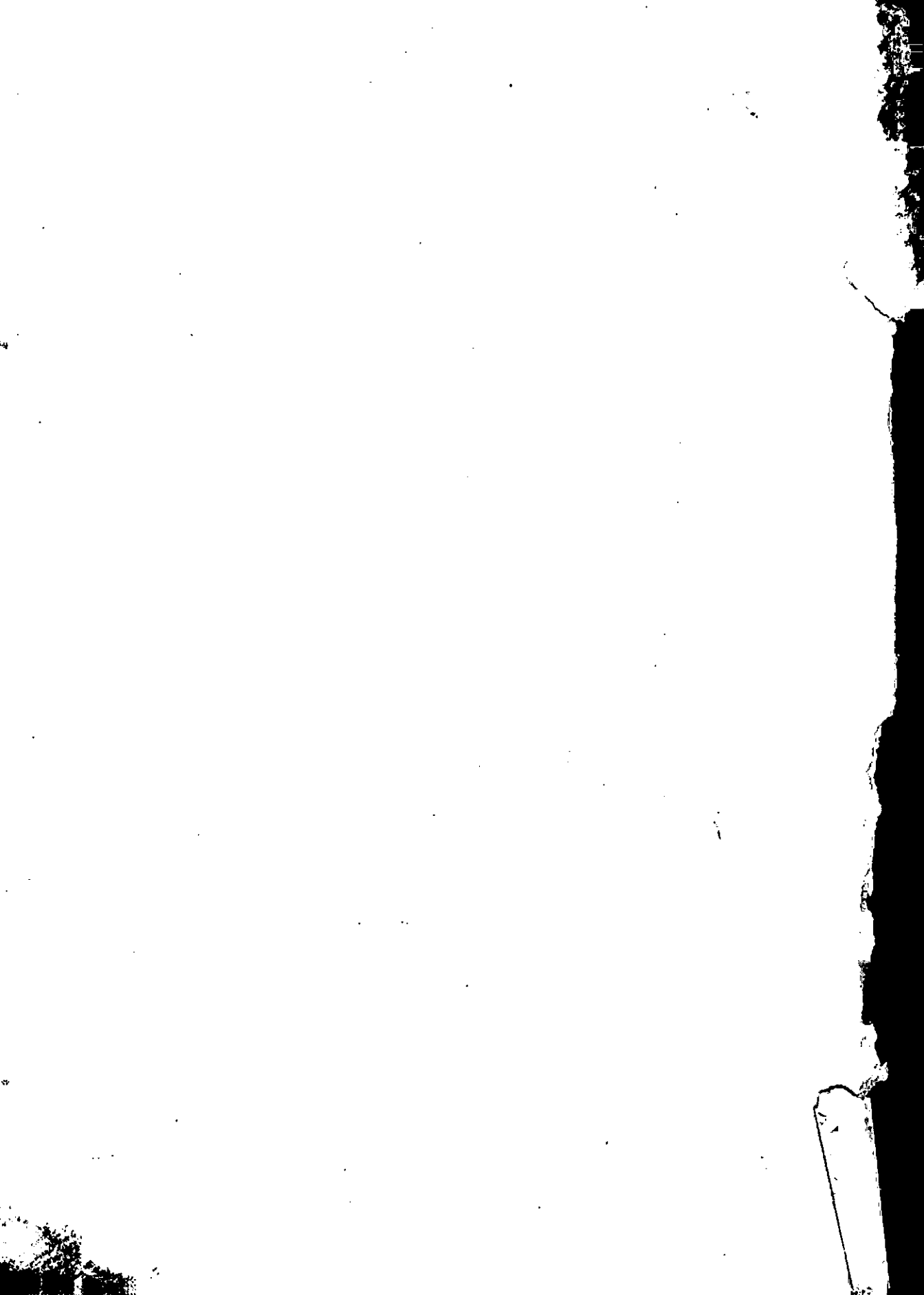
Lecturer of Chest Department
Benha Faculty of Medicine

**BENHA FACULTY OF MEDICINE
ZAGAZIG UNIVERSITY**

B N I A Y

1998





ROLE OF HIGH RESOLUTION COMPUTED TOMOGRAPHY (HRCT) IN PULMONARY TUBERCULOSIS

Thesis

*Submitted for Partial Fulfillment of Master Degree
In (Chest Diseases and Tuberculosis)*

By

HYAM EL-SAID MOHAMED
M.B.B.Ch.

Supervisors

DR. AYMAN ABD EL-RAHMAN

Assis. Prof. of Chest Department
Benha Faculty of Medicine

DR. TAMER KAMAL

Assis. Prof. of Radiology
Benha Faculty of Medicine

DR. ALI ALI OKAB

Lecturer of Chest Department
Benha Faculty of Medicine

DR. AHDAF AHMED ENAN

Lecturer of Chest Department
Benha Faculty of Medicine

**BENHA FACULTY OF MEDICINE
ZAGAZIG UNIVERSITY**

B NIM

1998



CONTENTS

	Page
❖ <i>INTRODUCTION</i>	1
❖ <i>AIM OF THE WORK</i>	2
❖ <i>REVIEW OF LITERATURE</i>	
- Magnitude of tuberculosis problem	3
- Etiology of pulmonary tuberculosis	4
- Pathogenesis of pulmonary tuberculosis	5
- Diagnosis of pulmonary tuberculosis	22
* Clinical diagnosis	22
* Bacteriological diagnosis	23
* Tuberculin test	33
* Serological diagnosis	41
* Radiological diagnosis	45
* Radiological features of pulmonary tuberculosis.	46
• Unusual radiographic findings in pulmonary tuberculosis.....	65
• Normal HRCT lung anatomy	67
• Radiologic and pathologic correlation of pulmonary tuberculosis.....	79
• Tuberculosis of the central airways	83
• CT appearance of pulmonary tuberculosis in diabetic and immunocompromised patients...	85
- Treatment and control of pulmonary tuberculosis.....	87
❖ <i>PATIENTS AND METHODS</i>	100
❖ <i>RESULTS</i>	109
❖ <i>DISCUSSION</i>	157
❖ <i>SUMMARY AND CONCLUSIONS</i>	169
❖ <i>RECOMMENDATIONS</i>	173
❖ <i>REFERENCES</i>	174
❖ <i>ARABIC SUMMARY</i>	

ACKNOWLEDGEMENT

Before all and above all, thanks to **GOD**, to whome I relate every success in my life.

I'm really grateful to *DR. AYMAN ABD EL-RAHMAN*, Assistant Prof. of chest diseases, Benha Faculty of Medicine, Zagazig University for his unlimited effort, advices and assistance, without his kind assistance and scientific directions, this work would not have been in this form.

I'm greatly indebted to *DR. TAMER KAMAL*, Assistant Prof. of Radiology, Benha Faculty of Medicine, Zagazig University for his continuous encouragement and sincere supervision that have been of great help in performing this work.

A special and sincere thanks goes to *DR. ALI ALI OKAB*, Lecturer of chest diseases Benha Faculty of Medicine, Zagazig University for his continuous encouragement and sincere supervision that have been of great help in performing this work.

I'm greatly indebted to *DR. AHDAF AHMED ENAN*, Lecturer of chest diseases, Benha Faculty of Medicine, Zagazig University for her unlimited effort, guide and assistance to perform this work in the present manner.

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

﴿وعلمك ما لم تكن تعلم وكان
فضل الله عليك عظيما﴾

صدق الله العظيم

سورة النساء (آية: ١١٣)

