



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكرو فيلم

بسم الله الرحمن الرحيم



HANAA ALY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
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تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



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**Chest Ultrasound Patterns in
Pulmonary Tuberculosis Patients
with and Without HIV**

Thesis

Submitted in Partial Fulfillment for Master
Degree in **Chest Diseases**

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

﴿ قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا

﴿ إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

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List of Abbreviations

AFB	: Acid-fast bacilli
AIDS	: Acquired Immunodeficiency Syndrome
ARDS	: Acute respiratory distress syndrome
ART	: Antiretroviral therapy
B mode	: Brightness mode
CAT I	: Category I
CAT II	: Category II
CKD	: Chronic kidney disease
COPD	: Chronic obstructive pulmonary disease
CT	: Computed tomography
CUS	: Chest ultrasound
D mode	: Doppler mode
DM	: Diabetes mellitus
DOTS	: Directly observed treatment with short course chemotherapy
DST	: Drug sensitivity test
E	: Ethambutol
ELIZA	: Enzyme-linked immunosorbent assay
FASH	: Focused assessment with sonography for TB\HIV
H	: Isoniazid
Hgb	: Hemoglobin
HIV	: Human immunodeficiency virus
HTN	: Hypertension
ICU	: Intensive care unite
IFA	: Immunofluorescence assay
ILD	: Interstitial lung disease

IV	: Intravenous
LN s	: Lymph nodes
LJ	: Lowenstein-Jensen media
LTBI	: Latent tuberculosis infection
M mode	: Motion mode
MGIT 960	: Mycobacterial Growth Indicator Tube 960
MTB	: Mycobacterium tuberculosis
NAA	: Nucleic acid amplification
NPV	: Negative Predictive value
PCR	: Polymerase chain reaction
PJP	: Pneumocystis jiroveci Pneumonia
PLT	: Platelets
POCUS	: Point of care chest ultrasonography
PPV	: Positive Predictive value
PTB	: Pulmonary tuberculosis
PTX	: Pneumothorax
R	: Rifampicin
RA	: Rheumatoid arthritis
RIF	: Rifampicin
S	: Streptomycin
SD	: Standard deviation
SPN	: Subpleural nodule
TB	: Tuberculosis
TLC	: Total leucocytic count
TM mode	: Time motion mode
TNB	: True cut needle biopsy
TNF	: Tumor necrosis factor
TUS	: Transthoracic ultrasound
US	: Ultrasound

List of Abbreviations

Vs	: Versus
WHO	: World health organization
Z	: Pyrazinamide
2D	: Two-dimensional
2nd	: Second

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