



شبكة المعلومات الجامعية

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شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

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بالرسالة صفحات

لم ترد بالأصل



B947

Bacteriologically Confirmed Pulmonary Tuberculous Infection and Drug Resistance

Thesis

**Submitted for partial fulfillment of the
Master Degree in Microbiology and Immunology**

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بسم الله الرحمن الرحيم

قالوا سبحانك

لا علم لنا

إلا ما علمتنا

إنك أنت العليم الحكيم

صدق الله العظيم

(سورة البقرة / آية ٣٢)



To My Parents

To My Husband

&

To My Brother

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List of Abbreviations

AFB	: Acid fast bacilli
AIDS	: Acquired immune deficiency syndrome
AM	: Alveolar macrophage
AMT	: Antimycobacterial therapy
ARI	: Annual risk of infection
ATS	: American Thoracic Society
BAL	: Bronchoalveolar lavage
BCG	: Bacillus Calmette-Guerin
CDC	: Center of Disease Prevention and Control
CSF	: Cerebrospinal fluid
DNA	: Deoxyribonucleic acid
<i>E. coli</i>	: <i>Escherichia coli</i>
ELISA	: Enzyme linked immunosorbant assay
EMB	: Ethambutol
GLC	: Gas liquid chromatography
HIV	: Human immune deficiency virus
HPLC	: High performance liquid chromatography
INH	: Isoniazid
LAM	: Lipoarabinomannan
LJ	: Lowenstein Jensen
LC	: Liquid chromatography
LTBI	: Latent tuberculosis infection
<i>M.</i>	: <i>Mycobacterium</i>
<i>M. tuberculosis</i>	: <i>Mycobacterium tuberculosis</i>
MB	: Middle brook
MDR	: Multidrug resistant

MGIT	: Mycobacterial growth indication tube
MIC	: Minimum inhibitory concentration
MOTT	: Mycobacteria other than tuberculosis
mRNA	: messenger ribonucleic acid
NAA	: Nucleic acid amplification
NaCl	: Sodium chloride
NALC	: N-Acetyl-L-Cysteine
NaOH	: Sodium hydroxide
NAP	: Nitro-alpha-acetylamine-beta propiophenone
NPV	: Negative predictive value
NTM	: Non tuberculous mycobacteria
PCR	: Polymerase chain reaction
PPD	: Purified protein derivative
PPV	: Positive predictive value
PTB	: Pulmonary tuberculosis
PZa	: Pyrazinamide
RAN	: Ribonucleic acid
RIF	: Rifampicin
rRNA	: ribosomal ribonucleic acid
SDA	: Strand displacement amplification
SM	: Streptomycin
TB	: Tuberculosis
TBB	: Transbronchial biopsy
Tween 80	: Polyxyethylene sorbitan mono-deale
US	: United States
WHO	: World Health Organization
Z.N	: Ziehl-Neelsen