



شبكة المعلومات الجامعية

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شبكة المعلومات الجامعية
@ ASUNET



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

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التوثيق الالكتروني والميكرو فيلم

قسم

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**MICROBIAL STUDY ON MENINGITIS AND ENCEPHALITIS
CASES IN EL-BEHERA, KAFR EL-SHEIKH, AND
ALEXANDRIA GOVERNORATES**

616,01
A Thesis

**Presented to The High Institute of Public Health
Alexandria University
In Partial Fulfillment of the
Requirements for the Degree**

of

Doctor of Public Health

in

Microbiology

By

Magda Fawzy Baskharoun

M.B. Ch.B. Faculty of Medicine, University of Alexandria, 1977
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DPH (Microbiology), High Institute of Public Health, University of Alexandria, 2003

2007

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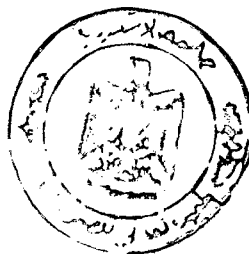
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LIST OF ABBREVIATIONS

ABM	: Acute bacterial meningitis
ADEM	: Acute disseminated encephalitis.
AIDS	: Acquired immunodeficiency syndrome
AMV	: Avian retrovirus transcriptase
AP-PCR	: Arbitrarily primed PCR
CDC	: The center for disease control and prevention
CF	: Complement fixation
CNS	: Central nervous system
CPE	: Cytopathic effect
CSF	: Cerebro spinal fluid
DMEM	: Dulbecco's modified Eagle Media
DNA	: Desoxy ribonucleic acid
EBV	: Epstein Bar virus
ECV13	: Echovirus type 13
ECV6	: Echovirus type 6
EEE	: Eastern equine encephalitis
EEG	: Electroencephalography
EIA	: Enzyme linked immunoassay
ELISA	: Enzyme linked Immunosorbent assay
FBS	: Fetal bovine serum
FCS	: Fetal cell serum
FDA	: Food and disease agency
FETP	: Field epidemiology training program
FLIC	: Floresence isothiocyanate
GM	: Growth media
HAI	: Haemagglutination inhibition test.
HBSS	: Hank's buffered salt solution
HHV6,	: Human herpes virus-type 6
Hib	: Haemophiles influenzae type b.
HIMAF	: Hyperimmune mouse ascetic fluid
HIV	: Human immunodeficiency virus
HRP	: Horse Radish Peroxidase
HSE	: Herpes simplex encephalitis
HSV-1, HSV-2	: Herpes simplex virus type one and type two
HTN	: Hantaan virus
IgG	: Immunoglobulin G
IHA	: Indirect haemoagglutination

LCR	: Ligase chain reaction
<i>M. tuberculosis</i>	: <i>Mycobacterium tuberculosis</i>
MOHP	: Ministry of health and population
<i>N. meningitidis</i>	: <i>Niesseria meningitides</i>
NMRU-3	: Naval medical research unit:3
P/S	: Penicillin/streptomycin
PBS	: Protein buffer solution
PBST	: Protein buffered solution tween
PCR	: Polymerase chain reaction
PNB	: Paranitropenzoic acid
PV1	: Poliovirus type 1
RBC	: Red blood cells
RIA	: Radioimmunoassay
RNA	: Ribonucleic acids
RPM	: Round per minutes.
RVF	: Rift Valley fever virus
<i>S. peumoniae</i>	: <i>Streptococcus pneumoniae</i>
SDA	: Strand displacement assay
SFN	: Sandfly Fever Naples
SFS	: Sandfly Fever Sicilian
SPECT	: Single photon emission computed tomography
S-UTR	: 5-untranslated region
TBM	: Tuberculous meningitis
TC	: Tissue culture
UK	: United kingdom
US	: United States
USAID	: United states agency for international development.
UV	: Ultraviolet
VEE	: Venzuelan equine encephalitis
VZV	: Varicella zoster virus
WBC	: White blood cells
WEE	: Western equine encephalitis
WHO	: World health organization
ZN	: Ziehl-Neelsen stain