



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
على 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

Human Herpes Virus 7 (HHV-7): A Possible Cause of Pityriasis Rosea

Thesis

Submitted for the partial fulfillment of
MD Degree in Microbiology and Immunology

By

Sherin Bendari El-Sayed

M.B.B.Ch, M.Sc. in Microbiology and Immunology
Faculty of Medicine, Ain Shams University

Under The Supervision of

PROF. DR. MOUCHIRA FAYEK HELMY

Professor of Microbiology and Immunology
Faculty of Medicine, Ain Shams University

DR. TAHANY AHMED ABDEL RAOUF

Assistant Professor of Microbiology and Immunology
Faculty of Medicine, Ain Shams University

DR. AMANY SALEH AWAD

Lecturer of Microbiology and Immunology
Faculty of Medicine, Ain Shams University

DR TAREK MAHMOUD ALY

Lecturer of Dermatology and Venereology
Faculty of Medicine, Ain Shams University

Department of Microbiology and Immunology
Faculty of Medicine



2002

B
9991



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا
بِمَا عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ
الْحَكِيمُ

صَدَقَ اللَّهُ الْعَظِيمُ



Contents

	Page
• Acknowledgment	
• List of Abbreviations	
• List of Tables	
• Introduction	1
• Aim of the Work	2
• Review of Literature	
Human Herpes Virus 7 (HHV-7)	3
History	3
Classification	4
Structure of the virus	6
Antigenic properties of the HHV-7	9
Virus replication	12
Biological properties of the herpesviruses	14
Mode of transmission	14
Infection and pathogenesis	15
Diagnosis	18
Treatment	20
Pityriasis Rosea (PR)	21
Historical hint	21
Epidemiology	22
Etiology and pathogenesis	23
Clinical manifestations of PR	25
Recurrence	28

Pathological features	28
Diagnosis	29
Treatment	30
• Subjects and Methods	31
• Results	45
• Discussion	53
• Recommendations	58
• Summary and Conclusion	59
• References	60
• Arabic summary	

Acknowledgment

I am greatly indebted to my supervisor **Prof. Dr. Mouchira Fayek Helmy**, Professor of Microbiology and Immunology, Ain Shams University, who allowed me to pursue this topic, supervised the study and continued to offer help far beyond the call of duty.

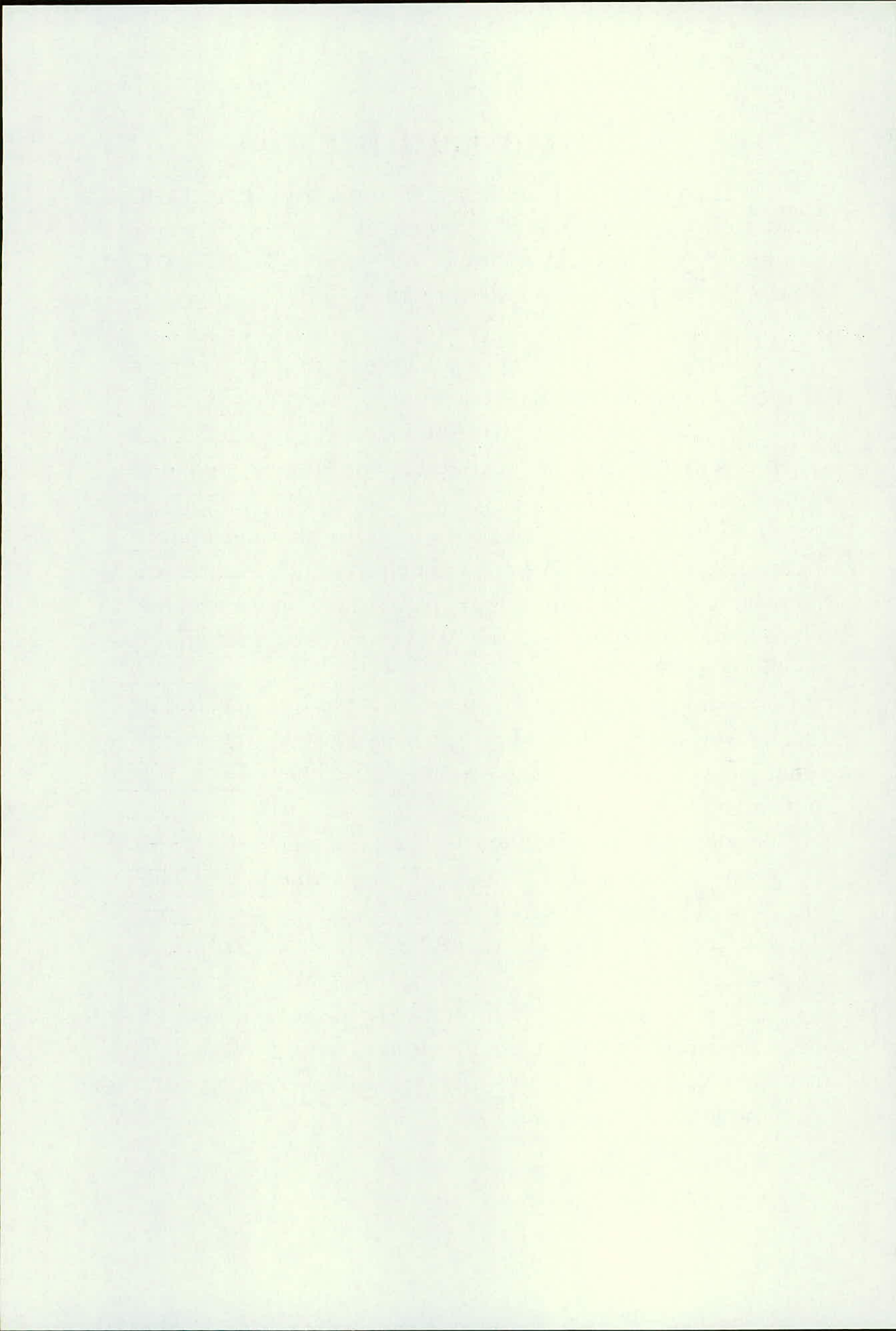
Likewise, I am deeply indebted to **Dr. Tahany Ahmed Abdel Raouf**, Assistant Professor of Microbiology and Immunology, Ain Shams University, for her kind supervision, tremendous assistance, continuous guidance and enthusiastic support.

I wish to express my deepest gratitude and sincere appreciation to **Dr. Amany Saleh Awad**, Lecturer of Microbiology and Immunology, Ain Shams University, for offering me much of her time and experience throughout the whole work.

I would like also to express my deep thanks to **Dr Tarek Mahmoud Aly**, Lecturer of Dermatology and Venereology, Ain Shams University, for his tremendous help and effective efforts.

Similarly, I would like to thank the member staff of the Microbiology and Immunology Department and The Infectious Diseases Research and Infection Control Unit (IDRICU), Ain Shams University for their kind support and encouragement.

In research, one does not only need the assistance of one's superiors, but also the help of one's family. As such, I must bow in respect to my family for their tolerant support throughout this work.



List of Abbreviations

bp	<i>Base pair</i>
CBMC	<i>Cord Blood Mononuclear Cell</i>
CPE	<i>Cytopathic Effect</i>
DEPC	<i>Diethyl Pyrocarbonate</i>
dNTPs	<i>Deoxynucleoside Triphosphates</i>
EBV	<i>Epstein Barr Virus</i>
HCMV	<i>Human Cytomegalo Virus</i>
het	<i>Heterogenous</i>
HHV-6	<i>Human Herpesvirus 6</i>
HHV-7	<i>Human Herpesvirus 7</i>
HHV-8	<i>Human Herpesvirus 8</i>
HIV	<i>Human Immunodeficiency Virus</i>
HSV	<i>Herpes Simplex Virus</i>
ICTV	<i>International Committee for Taxonomy of the Viruses</i>
IE	<i>Immediate Early</i>
IL	<i>Interleukin</i>
kD	<i>Kilo Dalton</i>
mAb	<i>Monoclonal Antibody</i>
MW	<i>Molecular Weight</i>
n-PCR	<i>Nested PCR</i>
ORFs	<i>Open Reading frames</i>
Pac	<i>Package</i>
PBMC	<i>Peripheral Blood Mononuclear Cells</i>
PHA	<i>Phytohaemagglutinin</i>
PR	<i>Pityriasis Rosea</i>
TAE	<i>Triacetate EDTA buffer</i>
Tel	<i>Telomer</i>
TR	<i>Terminal Repeat</i>
U	<i>Unique component</i>
VZV	<i>Varicella Zoster Virus</i>
+ve	<i>Positive</i>
-ve	<i>Negative</i>

