

List of contents

Introduction	1
Aim of work	4
Review of literature	5
• Virology of CMV	6
• Epidemiology of HCMV infection	8
• Infection routes	11
• Pathology and pathogenesis	12
• Clinical features associated with CMV infection	15
• Diagnosis	18
• Human CMV vaccines	22
• Treatment	23
CHAPTER 2	
• Introduction for kidney transplantation	29
• Factors affecting graft survivals	32
• Immunosuppression in renal transplantation	36
CHAPTER 3	
• Cytomegalo virus in post kidney transplantation	44
• Routes of infection	44
• Pre transplantation evaluation	46

• Clinical impact of CMV in solid organ transplantation	49
• Diagnostics for tissue invasive diseases	52
• Prevention of CMV disease in sot recipients	53
• Drugs used for CMV prophylaxis	54
• Diagnostics of drug resistance	67
• Treatment of ganciclovir resistant disease	69
English Summary	72
Conclusion	77
Recommendation	78
References	79
Arabic Summary	١