

CONTENTS

	Page
✎ INTRODUCTION AND AIM OF THE WORK.	1
✎ REVIEW OF LITERATURE.	
* Chapter(I):Respiratory Syncytial virus (RSV)	3
- Historical background.	5
- Taxonomy and classification.	7
- Morphology and structure of RSV.	12
- RSV antigenic subtypes.	14
- RSV antigens.	15
- Replicative cycle.	
- Propagation of RSV on cell culture and in experimental animals.	17
- Epidemiology of RSV disease.	18
- Pathogenesis and Pathology of RSV infection.	20
- Clinical manifestations of RSV infection.	24
- Immune Response to RSV infection.	29
- Laboratory diagnosis of RSV infection.	36
- Prevention and treatment of RSV infections.	46
* Chapter (II): Apoptosis	53
- Introduction.	54
- Apoptosis and other death forms.	56
- Morphological and biochemical features of apoptosis.	59
- Biological significance of apoptosis.	62
- Apoptotic genes.	63
- Mechanisms of apoptosis.	65
- Apoptotic signaling.	
- Regulation of cell proliferation and the control of apoptosis.	72
- Assessment of apoptosis.	88
- Relation between RSV and apoptosis.	89
✎ SUBJECTS, MATERIALS AND METHODS.	94
✎ RESULTS.	114
✎ DISCUSSION.	139
✎ SUMMARY AND CONCLUSION.	149
✎ RECOMMENDATION.	152
✎ REFERENCES.	154
✎ ARABIC SUMMARY.	