

LEST OF CONTENTS

Contents	Page
Introduction.	1
Aim of the work.	3
Review of literature	
Chapter I :	
<i>Clostridium difficile</i>	
• Historical review.	4
• Bacteriology.	6
- Morphology.	6
- Cultural characters.	6
- Biochemical reactions.	7
- Effect of physical and chemical agents.	9
- Animal pathogenicity.	9
- Typing of C.difficile.	9
• Toxins.	12
• Epidemiology.	21
Chapter II :	
<i>Antibiotic associated diarrhea.</i>	25
• Normal bacterial flora.	25
• Effect of antibiotics on intestinal flora.	26
<i>Nosocomial diarrhea</i>	28
<i>Clostridium difficile associated diseases :</i>	
• Risk factors.	30
• Pathogenesis.	33
• Clinical picture.	36

Contents	Page
• Complications.....	38
• Diagnosis.	39
• Treatment.	44
• Prevention and control.	49
Chapter III :	
<i>Cell (tissue) culture.</i>	51
• Definition.	51
• Cell culture systems.	51
• Growth media.	54
• Effect of C.difficile toxins on cell lines.	55
Subjects and methods.	57
Results.	68
Discussion.	87
Summary.	97
Conclusions.	100
Recommendations.	101
References.	102
Arabic summary.	
Appendix	