

CONTENTS

Title	Page
Introduction.	1
Aim of the work.	3
Review of literature.	
Structure And Function Of Respiratory System.	4
Normal Flora of Respiratory Tract.	9
Lower Respiratory Tract Infection.	
• Microbiological classification of lower respiratory tract infection.	12
• Clinical classification of lower respiratory tract infection.	14
Mechanical ventilation.	29
Ventilation associated pneumonia.	36
Diagnosis of Ventilator Associated Pneumonia.	45
Treatment of Ventilation Associated Pneumonia.	57
Prevention And Control of Ventilation Associated Pneumonia.	60
Anaerobic Bacteria.	
• Definition of anaerobic bacteria.	67
• History of anaerobic bacteria.	67
• Classification of anaerobic bacteria according to air tolerance.	69
• Biochemical aspects of anaerobiosis.	70
• Pathogenicity of anaerobic bacteria.	73
• Taxonomy and classification of anaerobic bacteria.	74
• Pathogen host interaction.	78
• Diagnosis of anaerobic infection.	80
Anaerobes and chest infection.	94
SUBJECTS , MATERIALS & METHODS.	106
RESULTS.	123
DISCUSSION.	162
Summary.	170
Recommendations.	174
References.	176
Arabic summary.	