

# TABLE OF CONTENTS

<b>Infectious Diseases I</b> .....	1
Infectious Diseases I Panel .....	3

## Urinary Tract Infections

*By Helen S. Lee, Pharm.D., BCPS-AQ ID; and Jennifer Le, Pharm.D., M.A.S., FIDSA, FCCP, FCSHP, BCPS-AQ ID*

Introduction .....	7
General Treatment Considerations .....	10
Types of Infections and Antibiotic Therapy .....	12
Role of Antimicrobial Stewardship Programs .....	22
Conclusion .....	23
References .....	23
Self-Assessment Questions .....	26

## Hepatitis C Virus Infection

*By Paulina Deming, Pharm.D., PhC*

Introduction .....	31
Evaluation of Patients with HCV .....	33
Treatment of HCV .....	36
DAA Combination Therapies .....	38
Single Agents .....	43
Recommended Regimens for Chronic HCV Infection .....	45
Conclusion .....	49
References .....	50
Self-Assessment Questions .....	52

<b>Infectious Diseases II</b> .....	55
Infectious Diseases II Panel .....	57

## Lower Respiratory Tract Infections

*By Kayla R. Stover, Pharm.D., FCCP, FIDSA, BCPS-AQ ID*

Introduction .....	61
Types and Management of Infections .....	61
Prevention .....	75
Role of Antimicrobial Stewardship Programs .....	76
References .....	77
Self-Assessment Questions .....	81

## Rhinosinusitis

*By Meghan K. Sullivan Felton, Pharm.D., BCACP*

Introduction .....	85
Acute Rhinosinusitis .....	85
Chronic Rhinosinusitis .....	89
Allergic Fungal Rhinosinusitis .....	93
Fungal Rhinosinusitis .....	94

Medication Therapy Management .....	97
Conclusion .....	99
References .....	99
Self-Assessment Questions .....	101

<b>Infectious Diseases III</b> .....	105
Infectious Diseases III Panel .....	107

## Ophthalmic Infections

*By Jason M. Cota, Pharm.D.*

Introduction .....	111
Types and Management of Infections .....	114
Antimicrobial Stewardship Strategies in Ophthalmic Infections .....	127
Conclusion .....	129
References .....	129
Self-Assessment Questions .....	132

## Ear Infections

*By Lulu Jin, Pharm.D., BCPS, BCPPS; and Sylvia Stoffella, Pharm.D., BCPPS*

Introduction to Otitis Media .....	137
Clinical Presentation and Diagnosis .....	140
Intra- and Extratemporal Complications .....	141
Treatment .....	142
Prevention of Recurrent Otitis Media .....	146
Introduction to Otitis Externa .....	146
Clinical Presentation and Diagnosis .....	147
Treatment .....	147
Conclusion .....	148
References .....	148
Self-Assessment Questions .....	151

<b>Infectious Diseases IV</b> .....	155
Infectious Diseases IV Panel .....	157

## Lung Abscesses

*By Elias B. Chahine, Pharm.D., FCCP, BCPS-AQ ID; and Lamis R. Karaoui, Pharm.D., BCPS*

Introduction .....	161
Microbiology .....	163
Treatment .....	165
Newly Introduced Antimicrobials .....	181
Prevention .....	182
Conclusion .....	183

References .....	183
Self-Assessment Questions .....	186

***Clostridium difficile* Infection**

*By Donna Lisi, Pharm.D., BCPS, BCPP, BCGP*

Introduction .....	191
Microbiology .....	192
Risk Factors .....	193
Clinical Presentation .....	196

Prognosis/Outcome .....	196
Diagnosis .....	200
Asymptomatic Carriage Colonization .....	205
Pharmacologic Treatment .....	206
Prevention .....	212
Pharmacist's Role .....	213
Conclusion .....	215
References .....	215
Self-Assessment Questions .....	220