

# Contents

<i>Contributors</i>	vii
<i>Preface to the Second Edition</i>	ix
<i>Preface to the First Edition</i>	xi
<b>1. Introduction to Fungal Infections: Focus on Dermatophytes</b>	<b>1–7</b>
<i>Kabir Sardana</i>	
<b>2. Immunology and Pathogenesis of Dermatophytes</b>	<b>8–15</b>
<i>Kabir Sardana</i>	
<b>3. Laboratory Diagnosis of Fungal Infections: A Primer</b>	<b>16–28</b>
<i>Autar K Miskeen, Priya Uppuluri, Avani Gala</i>	
<b>4. Superficial Fungal Infections</b>	<b>29–142</b>
<i>Khushbu Mahajan, Sukriti Sharma, Kabir Sardana, Aastha Gupta</i>	
A. Dermatophytes 29	
• Classification 29	
• Epidemiology and etiology 30	
• Diagnostics of fungal infection 33	
• Clinical features 36	
• Tinea capitis 37	
• Tinea faciei 46	
• Tinea barbae 46	
• Tinea corporis 49	
• Tinea manuum (tinea of the hand) 54	
• Tinea cruris 55	
• Tinea incognito 60	
• Tinea pedis 60	
• Tinea unguium (onychomycosis) 67	
• Causes of poor clinical response to antifungal drugs 76	
B. Malassezia infections: Skin manifestations 78	
• Tinea versicolor/Pityriasis versicolor 78	
• Pityrosporum/Malassezia folliculitis 84	
• Seborrheic dermatitis 86	
C. Candidiasis (moniliasis) 93	
• Pathophysiology 93	
• Vulvovaginitis 95	
• Oral candidiasis 98	
• Candidal balanitis 104	
• Cutaneous candidiasis 105	

<b>5. Subcutaneous Mycoses</b>	<b>115-149</b>
A. Mycetoma 115 <i>Pooja Arora Mrig, Kabir Sardana</i>	
B. Chromoblastomycosis 123 <i>Veena Chandran</i>	
C. Sporotrichosis 127 <i>Pooja Arora Mrig, Kabir Sardana</i>	
D. Subcutaneous zygomycosis due to basidiobolus and conidiobolus 132 <i>Pooja Arora Mrig, Kabir Sardana</i>	
E. Phaeohyphomycosis 138 <i>Pooja Arora Mrig, Kabir Sardana</i>	
F. Cutaneous rhinosporidiosis 141 <i>Thurakkal Salim</i>	
G. Lobomycosis 148 <i>Pooja Arora Mrig, Kabir Sardana</i>	
<b>6. Systemic Fungal Infections</b>	<b>150-179</b>
A. Histoplasmosis 150 <i>Pooja Arora Mrig, Kabir Sardana</i>	
B. Blastomycosis 155 <i>G Raghu Rama Rao</i>	
C. Coccidioidomycosis 160 <i>Vikram Narang, Bhavna Garg, Neena Sood, Harpreet Kaur</i>	
D. Cryptococcosis 164 <i>Pooja Arora Mrig, Kabir Sardana</i>	
E. Hyalohyphomycosis 167 <i>Pooja Arora Mrig, Kabir Sardana</i>	
F. Other opportunistic infections 169 <i>Pooja Arora Mrig, Kabir Sardana</i>	
G. Approach to diagnosis and treatment of systemic fungal infections 171 <i>Pooja Arora Mrig, Kabir Sardana</i>	
<b>7. Recalcitrant Dermatophytes</b>	<b>180-195</b>
<i>Kabir Sardana</i>	
A. Overview of causes of recalcitrant dermatophytes 180	
B. Recalcitrant dermatomycosis: Focus on tinea corporis/cruris/pedis and its management 185	
<b>8. Antifungal Drugs</b>	<b>196-218</b>
<i>Kabir Sardana</i>	
A. Systemic antifungal drugs 196	
B. Topical antifungal drugs 213 <i>Surabhi Sinha</i>	
C. How to decide antifungal drug dose and duration? 215	
<i>Index</i>	219-224