

Contents

I. Foreword by James Jensen	vi
II. Preface	viii
III. Eukaryotic Parasites	1
IV. The Protozoa	6
1. <i>Giardia lamblia</i>	7
2. Introduction to the Leishmania	13
3. Cutaneous Leishmaniasis	18
<i>Leishmania (L) major</i>	
<i>Leishmania (L) tropica</i>	
<i>Leishmania (L) mexicana</i>	
4. Muco-cutaneous Leishmaniasis	24
<i>Leishmania (V) braziliensis</i>	
5. Visceral Leishmaniasis	27
<i>Leishmania (L) donovani</i>	
<i>Leishmania (L) infantum</i>	
<i>Leishmania (L) infantum chagasi</i>	
6. African Trypanosomiasis	32
<i>Trypanosoma brucei rhodesiense</i>	
<i>Trypanosoma brucei gambiense</i>	
7. American Trypanosomiasis	39
<i>Trypanosoma cruzi</i>	
8. <i>Trichomonas vaginalis</i>	46
9. The Malarias	50
<i>Plasmodium falciparum</i>	
<i>Plasmodium vivax</i>	
<i>Plasmodium ovale</i>	
<i>Plasmodium malariae</i>	
10. <i>Cryptosporidium parvum</i>	69
11. <i>Toxoplasma gondii</i>	75
12. <i>Entamoeba histolytica</i>	84
13. <i>Balantidium coli</i>	92
14. Protozoa of Minor Medical Importance	95
<i>Babesia spp.</i>	
<i>Naeglaria fowleri</i>	
<i>Acanthamoeba castellani</i>	
<i>Isospora belli</i>	
<i>Blastocystis hominis</i>	
<i>Dientamoeba fragilis</i>	
15. Non-pathogenic Protozoa	103
Commensal Flagellates	
Commensal Amoebae	

V. The Nematodes	105
16. <i>Enterobius vermicularis</i>	106
17. <i>Trichuris trichiura</i>	110
18. <i>Ascaris lumbricoides</i>	115
19. The Hookworms	121
<i>Necator americanus</i>	
<i>Ancylostoma duodenale</i>	
<i>Ancylostoma ceylanicum</i>	
20. <i>Strongyloides stercoralis</i>	129
21. <i>Trichinella spiralis</i>	135
22. Lymphatic Filariæ	143
<i>Wuchereria bancrofti</i>	
<i>Brugia malayi</i>	
23. <i>Onchocerca volvulus</i>	150
24. <i>Loa loa</i>	156
25. <i>Dracunculus medinensis</i>	160
26. Nematodes of Minor Medical Importance	163
<i>Manzonella ozzardi</i>	
<i>Mansonella perstans</i>	
<i>Mansonella streptocerca</i>	
<i>Dirofilaria immitis</i>	
<i>Capillaria hepatica</i>	
<i>Capillaria philippinensis</i>	
<i>Oesophagostomum bifurcum</i>	
27. Aberrant Nematode Infections	167
Cutaneous Larva Migrans	
Visceral Larva Migrans	
VI. The Cestodes	175
28. <i>Taenia saginata</i>	176
29. <i>Taenia solium</i>	181
30. <i>Diphyllobothrium latum</i>	187
31. Tapeworms of Minor Medical Importance	192
<i>Dipylidium caninum</i>	
<i>Hymenolepis nana</i>	
<i>Hymenolepis diminuta</i>	
<i>Mesocestoides spp.</i>	
32. Juvenile Tapeworm Infections	197
Cysticercosis due to <i>Taenia solium</i>	
<i>Echinococcus granulosus</i>	
<i>Echinococcus multilocularis</i>	
<i>Spirometra spp.</i>	

VII. The Trematodes	212
33. The Schistosomes	213
<i>Schistosoma mansoni</i>	
<i>Schistosoma japonicum</i>	
<i>Schistosoma haematobium</i>	
<i>Schistosoma mekongi</i>	
34. <i>Clonorchis sinensis</i>	230
35. <i>Fasciola hepatica</i>	234
36. <i>Paragonimus westermani</i>	238
37. Trematodes of Minor Medical Importance	242
<i>Fasciolopsis buski</i>	
<i>Echinostoma spp.</i>	
<i>Heterophyes heterophyes</i>	
<i>Metagonimus yokogawai</i>	
<i>Nanophyetes salmincola</i>	
VIII. The Arthropods	246
38. The Insects	247
39. The Arachnids	274
40. Arthropods of Minor Medical Importance	287
IX. Medical Ecology of Parasitic Diseases	289
X. Travel Medicine: Advice for the Clinician	295
XI. Mode of Action of Anti-parasitic Drugs	308
Appendix A. Procedures for Collecting Clinical Specimens for Diagnosing Protozoan and Helminthic Parasites	316
Appendix B. Laboratory Diagnostic Methods	318
Appendix C. Diagnostic Color Atlas of Protozoa and Helminths	323
Appendix D. The Medical Letter	339
Appendix E. Web Sites and Literature of Interest	351
Index	339