

I. KASSIRSKY AND N. PLOTNIKOV

DISEASES
OF WARM
LANDS

I. KASSIRSKY, N. PLOTNIKOV

DISEASES
OF
WARM LANDS

(A CLINICAL MANUAL)

TRANSLATED FROM THE RUSSIAN

BY
MIRIAM KATZ

PEACE PUBLISHERS

MOSCOW

UDC 616.928.8 (075.8) = 20

TO THE READER

Peace Publishers would be glad to have your opinion regarding this book, its translation, design and printing, and to receive any suggestions from you.

Please write to 2, Pervy Rizhsky Pereulok, Moscow,
U.S.S.R.

C O N T E N T S

Foreword	15
Introduction	17
Malaria. <i>I. Kassirsky</i>	21
History	21
Etiologic Agents of Malaria	23
<i>Anopheles</i> Mosquitoes, Their Propagation and Role in the Transmission of Malaria	33
Geographical Distribution of Malaria	37
Forms of Malaria	39
Clinical Aspects	42
Certain Aspects of the Pathogenesis of Malaria	49
Plasmodia Carriers	52
Classification of Malaria	53
Fresh (Recent) Malaria Infection	54
Pernicious Forms of Malaria	59
Lesions of Systems and Organs in Malaria	71
Metamalarial Diseases	77
Malaria and Pregnancy	79
Malaria in Children	81
Duration of Malaria	82
Immunity	84
Prognosis	85
Laboratory Diagnosis in Malaria and Its Importance	86
Basic Principles of Therapy	87
Antimalaria Preparations	91
Treatment Schemes	100
Out-patient Treatment for Malaria Patients	104
Treatment of Pernicious Forms of Malaria	104
Symptomatic Therapy in Pernicious (Comatose) Malaria	105
Treatment of Malarial Hemoglobinuria (Blackwater Fever)	105
Specific Management of Malaria Therapy in Children	106
Individual Chemoprophylaxis	107

Leishmaniasis	108
Visceral Leishmaniasis	110
Cutaneous Leishmaniasis	130
American Cutaneous Leishmaniasis	142
Sudanese (Egyptian) Cutaneous Leishmaniasis	144
Trypanosomiasis. <i>N. Plotnikov</i>	145
African Trypanosomiasis	145
American Trypanosomiasis	152
Tick-borne Relapsing Fevers. <i>I. Kassirsky</i>	159
Historical Data	159
The Causative Agent	160
Epidemiology	160
Different Types of Tick-borne Relapsing Fever and Their Geographical Distribution	163
Laboratory Diagnosis	167
Clinical Aspects	168
Differential Diagnosis	171
Treatment	171
Prophylaxis	172
Leptospiral Diseases of Man	174
Historical Data	174
Spirochetal Jaundice (Icterohemorrhagic Leptospirosis, Weil-Vasilyev Disease).	176
Marsh Fever	184
Leptospiral Diseases of the Far East	186
Rostov Infectious Jaundice	187
Seven-day Fever (Nanukayami)	188
Autumnal Fever A	188
Autumnal Fever B	188
Hasamiyami Leptospirosis	188
Leptospiral Diseases of the Tropics	189
Yaws (Frambesia). <i>N. Plotnikov</i>	191
Historical Data	191
Etiology	191
Epidemiology	191
Geographical Distribution	193
Clinical Aspects	193
Diagnosis	198
Pathology	199
Treatment	199
Prophylaxis	199
Pinta	200
Etiology	200
Epidemiology	200

Geographical Distribution	200
Clinical Aspects	200
Bejel	202
Prophylaxis	202
Treatment	202
Amebiasis. I. Kassirsky	203
Historical Data	203
Parasitology	205
Epidemiology and Geographical Distribution	208
The Problem of Amebiasis	209
Amebiasis Classification	212
Clinical Aspects	213
Differential Diagnosis	214
Pathogenesis and Pathology	215
Treatment	216
Prophylaxis	219
Chronic Ulcerative Colitis (Non-protozoan)	220
Etiology	220
Clinical Aspects	221
Treatment	223
Prophylaxis	225
Schistosome Diseases (Schistosomiasis). N. Plotnikov	226
Genitourinary Schistosomiasis	227
Intestinal Schistosomiasis	231
Treatment of Genitourinary and Intestinal Schistosomiasis ..	235
Schistosomiasis Japonica	238
Prophylaxis	242
Schistosome Dermatitis	242
Clonorchiasis	246
Historical Data	246
Etiology	246
Epidemiology	247
Geographical Distribution	248
Clinical Aspects	248
Diagnosis	249
Pathology and Pathogenesis	250
Treatment	251
Prophylaxis	252
Opisthorchiasis Viverrini	253
Etiology	253
Epidemiology	254
Geographical Distribution	254
Clinical Aspects	254

Prophylaxis	254
Treatment	254
Amphymerosis (Opisthorchiasis Noverca)	255
Metagonimosis	256
Historical Data	256
Etiology	256
Epidemiology	257
Geographical Distribution	258
Clinical Aspects	258
Diagnosis	258
Prognosis	258
Pathology and Pathogenesis	258
Treatment	259
Prophylaxis	259
Heterophyiasis	260
Etiology	260
Epidemiology	261
Geographical Distribution	261
Clinical Aspects	261
Diagnosis	261
Prognosis	262
Pathology and Pathogenesis	262
Prophylaxis	262
Treatment	262
Nanophyetosis	263
Paragonimiasis	264
Historical Data	264
Etiology	264
Epidemiology	265
Geographical Distribution	265
Clinical Aspects	266
Diagnosis	267
Pathology and Pathogenesis	267
Treatment	268
Prophylaxis	268
Fascioliasis	269
Historical Data	269
Etiology	269
Epidemiology	270
Geographical Distribution	271
Clinical Aspects	271
Diagnosis	273
Prognosis	273

Pathology and Pathogenesis	273
Treatment	274
Prophylaxis	275
Fasciolopsiasis	276
Historical Data	276
Etiology	276
Epidemiology	276
Geographical Distribution	277
Clinical Aspects	277
Pathology and Pathogenesis	278
Treatment	279
Prophylaxis	279
Echinostomiasis	280
Euparyphiasis	281
Echinochasmiasis	282
Himasthlosiasis	283
Gastrodisciasis	284
Plagorchiasis	285
Watsoniasis	286
Eurythremiasis	287
Sparganosis	288
Etiology	288
Epidemiology	289
Geographical Distribution	289
Clinical Aspects	289
Diagnosis	289
Prognosis	289
Treatment	290
Prophylaxis	290
Bertielliasis	291
Raillietiniasis	292
Ancylostomidoses (Hookworm Diseases)	293
Etiology	293
Epidemiology	294
Geographical Distribution	295
Clinical Aspects	295
Diagnosis	299
Prognosis	299
Pathology and Pathogenesis	299
Treatment	299
Prophylaxis	302

Filarial Diseases (Filariasis)	303
Wuchereriasis	303
Onchocerciasis	310
Loiasis	314
Acanthocheilonemiasis	316
Dirofilarioses	317
Mansonelliasis	318
Strongyloidiasis	319
Etiology	319
Epidemiology	320
Geographical Distribution	320
Clinical Aspects	320
Diagnosis	321
Prognosis	322
Pathology and Pathogenesis	322
Treatment	323
Prophylaxis	323
Dracunculosis. I. Kassirsky	324
Historical Data	324
Etiology	325
Geographical Distribution and Epidemiology	326
Clinical Aspects	328
Treatment	328
Lagochilascaridosis. N. Plotnikov	331
Hepaticolosis	332
Trichostrongyliasis	334
Strongyloidosis	336
Syngamosis	338
Gongylonemiasis	339
Gnathostomiasis	340
Abreviatosis	341
Thelaziasis	342
Dioctophymosis	343
Rickettsioses (Rickettsial Diseases)	344
Endemic or Murine Typhus	344
Rocky Mountain Spotted Fever	347
Boutonneuse (Marseilles) Fever	351
South and East African Tick-bite Fevers	354
North Queensland Tick Typhus	356
Tsutsugamushi Disease (Japanese Fever)	355
Q Fever or Pneumorickettsiosis	360
Pappataci Fever. I. Kassirsky	365
Historical Data	365
Etiology and Epidemiology	366

Geographical Distribution	367
Clinical Aspects	368
Diagnosis	370
Treatment	370
Prophylaxis	371
 Dengue	373
Historical Data	373
Etiology and Epidemiology	374
Geographical Distribution	375
Clinical Aspects	375
Diagnosis	377
Differential Diagnosis	377
Prognosis	378
Pathology	378
Treatment	378
Prophylaxis	378
 Yellow Fever	379
Historical Data	379
Etiology	380
Epidemiology	381
Geographical Distribution	383
Clinical Aspects	384
Diagnosis	386
Prognosis	387
Pathology	387
Pathogenesis	387
Treatment	388
Prophylaxis	388
 Psittacosis. N. Plotnikov	390
Historical Data	390
Etiology	390
Epidemiology	390
Geographical Distribution	391
Clinical Aspects	391
Diagnosis	392
Prognosis	392
Pathology	392
Treatment	392
Prophylaxis	392
 Lymphogranuloma Venereum	393
Etiology	393
Epidemiology	393
Geographical Distribution	393
Clinical Aspects	393
Diagnosis	394

Pathology	395
Treatment	395
Prophylaxis	395
Granuloma Inguinale	396
Etiology	396
Epidemiology and Geographical Distribution	396
Clinical Aspects	397
Diagnosis	398
Prognosis	398
Treatment	398
Prophylaxis	399
Bartonellosis	400
Historical Data	400
Etiology	400
Epidemiology and Geographical Distribution	401
Clinical Aspects	401
Diagnosis	402
Prognosis	402
Pathology and Pathogenesis	402
Treatment	402
Prophylaxis	403
Mycoses (Mycotic Diseases)	404
Maduromycosis	404
South American Blastomycosis	406
Coccidioidomycosis	408
Histoplasmosis	409
Poisonous Fauna of Warm Lands	411
Bite of the Karakurt (Black Widow Spider). <i>I. Kassirsky</i> ..	411
Scorpions	415
Poisonous Beetles	416
Snake Bite Poisoning. <i>N. Plotnikov</i>	417
Sprue. <i>I. Kassirsky</i>	420
Historical Data	420
Geographical Distribution	421
Clinical Aspects	421
Etiology and Pathogenesis	424
Prognosis	425
Treatment	425
Protracted Enteritis of Warm Lands	426
Treatment of Sprue and Chronic Fermentative Enteritis	428
Beriberi	430
Historical Data	430
Geographical Distribution	430

Etiology	431
Clinical Aspects	431
Pathogenesis	434
Prognosis	435
Treatment	435
Alimentary Toxicosis	437
<i>Heliotrope Hepatitis (Heliotrope Disease)</i>	437
Effect of Warm Climate on the Human Body	442
Heat Hyperpyrexia	444
Effect of Heat on Fluid-electrolyte Metabolism	447
Effect of Heat on the Digestive Function	452
Effect of Heat on the Cardiovascular System	455
Effect of Heat on the Skin	456
Personal Hygiene and Daily Routine	457
Index.....	459



PEACE
PUBLISHERS

И. А. КАССИРСКИЙ, Н. Н. ПЛОТНИКОВ

БОЛЕЗНИ
ЖАРКИХ СТРАН

ГОСУДАРСТВЕННОЕ ИЗДАТЕЛЬСТВО
МЕДИЦИНСКОЙ ЛИТЕРАТУРЫ
МЕДГИЗ МОСКВА

I. KASSIRSKY, N. PLOTNIKOV

DISEASES
OF
WARM LANDS

(A CLINICAL MANUAL)

TRANSLATED FROM THE RUSSIAN

BY
MIRIAM KATZ

PEACE PUBLISHERS

MOSCOW

UDC 616.928.8 (075.8) = 20

TO THE READER

Peace Publishers would be glad to have your opinion regarding this book, its translation, design and printing, and to receive any suggestions from you.

Please write to 2, Pervy Rizhsky Pereulok, Moscow,
U.S.S.R.

C O N T E N T S

Foreword	15
Introduction	17
<i>Malaria. I. Kassirsky</i>	21
History	21
Etiologic Agents of Malaria	23
<i>Anopheles</i> Mosquitoes, Their Propagation and Role in the Transmission of Malaria	33
Geographical Distribution of Malaria	37
Forms of Malaria	39
Clinical Aspects	42
Certain Aspects of the Pathogenesis of Malaria	49
Plasmodia Carriers	52
Classification of Malaria	53
Fresh (Recent) Malaria Infection	54
Pernicious Forms of Malaria	59
Lesions of Systems and Organs in Malaria	71
Metamalarial Diseases	77
Malaria and Pregnancy	79
Malaria in Children	81
Duration of Malaria	82
Immunity	84
Prognosis	85
Laboratory Diagnosis in Malaria and Its Importance	86
Basic Principles of Therapy	87
Antimalaria Preparations	91
Treatment Schemes	100
Out-patient Treatment for Malaria Patients	104
Treatment of Pernicious Forms of Malaria	104
Symptomatic Therapy in Pernicious (Comatose) Malaria ...	105
Treatment of Malarial Hemoglobinuria (Blackwater Fever) .	105
Specific Management of Malaria Therapy in Children	106
Individual Chemoprophylaxis	107