

Infectious Diseases: A Geographic Guide

Eskild Petersen MD, DMSc, DTM&H

Department of Infectious Diseases

Aarhus University Hospital Skejby

Aarhus, Denmark

Lin H. Chen MD, FACP

Travel Medicine Center

Mount Auburn Hospital and Harvard Medical School

Cambridge, MA, USA

Patricia Schlagenhauf PhD, FFTM RCPS (Glasg)

University of Zürich Centre for Travel Medicine

WHO Collaborating Centre for Travellers' Health

Zürich, Switzerland



WILEY-BLACKWELL

A John Wiley & Sons, Ltd., Publication

Contents

List of Contributors, viii

Foreword, xviii

Infectious Diseases in a Global Perspective, xx

1 Historical overview of global infectious diseases and geopolitics, 1

Francis E.G. Cox

2 Detection of infectious diseases using unofficial sources, 11

Lawrence C. Madoff and David O. Freedman

3 Microbes on the move: prevention, curtailment, outbreak, 22

Patricia Schlägenhauf, Giles Pomeroy and Francisco Santos-O'Connor

4 Diagnostic tests and procedures, 31

Larry I. Lutwick, Marc Mendelson and Eskild Petersen

5 East Africa: Madagascar and Indian Ocean islands, 53

Philippe Gautret and Philippe Parola

6 Eastern Africa, 64

Andreas Neumayr and Christoph Hatz

7 Central Africa, 84

Gerd D. Burchard and Stephan Ehrhardt

8 North Africa, 98

Philippe Gautret, Nadjat Mouffok and Philippe Parola

9 Southern Africa, 111

Marc Mendelson, Olga Perovic and Lucille Blumberg

10 West Africa, 128

Joanna S. Herman and Peter L. Chiodini

11 Eastern Asia, 139

Susan MacDonald, Yasuyuki Kato and Annelies Wilder-Smith

12 South Central Asia, 155

Prativa Pandey, Holly Murphy and Ashish Bhalla

13 South-eastern Asia, 170

Daniel H. Paris and Nicholas J. White

14 Western Asia and the Middle East: Part 1, 188

Eyal Leshem and Eli Schwartz

15 Western Asia and the Middle East: Part 2, 197

Jaffar A. Al-Tawfiq and Ziad A. Memish

16 Eastern Europe, 203

Natalia Pshenichnaya and Malgorzata Paul

17 Northern Europe, 218

Birgitta Evengård, Audrone Marcinkute and Eskild Petersen

18 Southern Europe, 230

Francesco Castelli, Fabio Buelli and Pier Francesco Giorgetti

19 Western Europe, 238

Peter J. de Vries

20 Caribbean, 261

Jana I. Preis and Larry I. Lutwick

21 Central America, 273

Julius B. Salamera and Larry I. Lutwick

22 South America, 290

Rodrigo Nogueira Angerami and Luiz Jacintho da Silva

23 Northern America, 309

Barbra M. Blair, Philip R. Fischer, Michael Libman and Lin H. Chen

24 Australia and New Zealand, 326

Karin Leder, Joseph Torresi and Marc Shaw

25 Oceania, 341

Karin Leder, Joseph Torresi and Marc Shaw

26 Arctic and Antarctica, 360

Anders Koch, Michael G. Bruce and Karin Ladefoged

27 The immunosuppressed patient, 374

Brian T. Montague, Terri L. Montague and Maria D. Mileno

28 Emerging infections, 393

Mary Elizabeth Wilson

29 Migration and the geography of disease, 404

Rogelio López-Vélez, Francesca F. Norman and José-Antonio Pérez-Molina

**30 Climate change and the geographical distribution
of infectious diseases, 414**

David Harley, Ashwin Swaminathan and Anthony J. McMichael

Abbreviations, 424

Index, 426