Contents

Part I  Evolution and Development of Missions

1  Medical Missions: A Short History
   from There to Here ......................................................... 3
   Elizabeth A.M. Frost

2  The Evolution of Surgical Humanitarian Missions ............... 19
   Ofer Merin

3  The Global Burden of Surgical Need .............................. 31
   K.A. Kelly McQueen

4  Anesthesia Disparities Between High-Income Countries
   and Low- and Middle-Income Countries: Providers,
   Training, Equipment, and Techniques .............................. 41
   Steven Dale Boggs and Nicholas W. Chee

5  Planning a Mission, Fundraising, and Building a Team .......... 59
   Medge Owen and Helen Akinc

6  Developing Anesthesia Equipment
   for Low-Resource Environments .................................... 85
   Angela Enright

7  Materials Management and Pollution Prevention ................ 93
   Jodi Sherman and Dorothy Gaal

8  What Do Patients and Communities
   Expect of a Medical Mission? ........................................ 105
   V. Lekprasert, S. Pauswasdi, and B.M. Shrestha

9  Anesthesia in Resource-Poor Settings:
   The Médecins Sans Frontières Experience ....................... 117
   Miguel Trelles, Patricia Kahn, Jason Cone, and Carrie Teicher

10 Quality of Care: Maintaining Safety
    Through Minimum Standards ......................................... 127
    Kathryn Chu and Monique James
11 Legal and Ethical Issues in Global Health: A Trip Through the Vagaries of Truth and Culture ............. 141
Jeffrey S. Freed

Part II Specific Case-Related Implementation

12 Strategies for Patient Assessment and Scheduling .......................................................... 159
Laurent Jouffroy

13 Perioperative Follow-Up and Quality Maintenance ......................................................... 179
Curtis L. Baysinger, Ivan Velickovic, and K.A. Kelly McQueen

14 Women’s Rights to Pain Relief After Surgery and Labor Analgesia ........................................ 193
Fiona Turpie and Ronald B. George

15 Saving Sight in Developing Countries .............................................................................. 203
Ebby Elahi and Natalie F. Holt

Peter M.J. Rosseel and Carrie L.H. Acheson

17 Anesthesia Considerations for Facial Deformity Repair in Lesser Developed Countries .... 243
Clifford Gevirtz

18 A Regional Anesthesia Service in a Resource-Limited International Setting: Rwanda .... 257
Alberto E. Ardon and Theogene Twagirumugabe

19 Management of Pain in Less Developed Countries .......................................................... 265
Clifford Gevirtz

20 Living the Mission in Serbia and Other Less Affluent Worlds ........................................... 273
Miodrag Milenovic

21 Anesthetic Management During the Lebanese Civil War .................................................. 281
Anis Baraka

22 Trauma, War, and Managing Vascular and Orthopedic Injuries ...................................... 295
John Benjamin and John Rotruck

23 Anesthesiologists’ Role in Disaster Management ............................................................. 305
Debbie Chandler, Yenabi Keflemariam, Charles James Fox, and Alan David Kaye

Part III Education at Home and Abroad

24 Surgical Mission Trips as a Component of Medical Education and Residency Training .... 325
Peter J. Taub and Lester Silver
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Building a Global Health Education Program</td>
<td>331</td>
</tr>
<tr>
<td></td>
<td>in an Urban School of Medicine</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Natasha Anushri Anandaraja, Ram Roth,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and Philip J. Landrigan</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Closing the Gap in Europe Through Education:</td>
<td>345</td>
</tr>
<tr>
<td></td>
<td>A Reverse Mission</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gabriel M. Gurman</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>The Role of the Visiting Anesthesiologist in In-Country Education</td>
<td>359</td>
</tr>
<tr>
<td></td>
<td>Julie L. Weinkauf, Marcel E. Durieux, and Lena E. Dohlman</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Letters from Around the World</td>
<td>377</td>
</tr>
<tr>
<td></td>
<td>Ram Roth</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>The Future of Anesthesiology and Global Health in a Connected World</td>
<td>403</td>
</tr>
<tr>
<td></td>
<td>Carrie L.H. Atcheson</td>
<td></td>
</tr>
<tr>
<td>Appendix</td>
<td></td>
<td>417</td>
</tr>
<tr>
<td>Index</td>
<td></td>
<td>419</td>
</tr>
</tbody>
</table>
The Role of Anesthesiology in Global Health
A Comprehensive Guide
Roth, R.; Frost, E.A.M.; Gevirtz, C.; Atcheson, C. (Eds.)
2015, XX, 432 p. 117 illus., 103 illus. in color., Softcover
ISBN: 978-3-319-09422-9