

Contents

Acknowledgments.....	vii
Contributors	xiii
PART I: INTRODUCTION	
Chapter 1	
Introduction to Terror Medicine.....	3
<i>Shmuel C. Shapira, Jeffrey S. Hammond, and Leonard A. Cole</i>	
Chapter 2	
Terrorism in the Twenty-First Century	13
<i>Boaz Ganor</i>	
PART II: PREPARATION AND RESPONSE	
Chapter 3	
EMS and Pre-Hospital Issues.....	29
<i>Ari Leppäniemi</i>	
Chapter 4	
Effects of Terrorism on the Healthcare Community	45
<i>David O'Reilly and Karim Brohi</i>	
Chapter 5	
Terror Medicine: Education and Training.....	59
<i>Yuri Millo</i>	
Chapter 6	
Modeling and Simulation in Terror Medicine	79
<i>Asher Hirshberg and Kenneth L. Mattox</i>	

Chapter 7
National Coordination and Integration 95
Shlomo Mor-Yosef and Shmuel C. Shapira

Chapter 8
Response Planning 111
Jorie D. Klein

Chapter 9
Technology Opportunities and Challenges 133
Annette L. Sobel

PART III: WEAPON ETIOLOGIES

Chapter 10
Epidemiology of Terrorism Injuries 149
Limor Aharonson-Daniel and Shmuel C. Shapira

Chapter 11
Explosions and Blast Injury 171
Eric R. Frykberg

Chapter 12
Biological Agents and Terror Medicine 195
Meir Oren

Chapter 13
Chemical Agents and Terror Medicine 223
Kristan Staudenmayer and William P. Schechter

Chapter 14
Radiological Agents and Terror Medicine 241
Jeffrey S. Hammond and Jill Lipoti

Chapter 15
Cyber-Terrorism: Preparation and Response 255
Abraham R. Wagner and Zvi Fisch

PART IV: TYPES OF INJURY

Chapter 16
Penetrating Injury in Terror Attacks 271
Gidon Almog and Avraham I. Rivkind

Chapter 17	
Orthopedic Injury in Urban Terrorism.....	287
<i>Meir Liebergall and Rami Mosheiff</i>	
 Chapter 18	
Terror-Inflicted Burn Injury	299
<i>Tomer Tzur and Arieh Eldad</i>	
 Chapter 19	
Neurosurgical Injury Related to Terror.....	313
<i>Jeffrey V. Rosenfeld</i>	
 Chapter 20	
Crush Injury, Crush Syndrome	337
<i>Moshe Michaelson</i>	
 Chapter 21	
Maxillofacial Injury Related to Terror.....	347
<i>Eran Regev and Rephael Zeltser</i>	
 Chapter 22	
Pediatrics and Terrorism	365
<i>David Markenson</i>	
 PART V: AFTERMATH AND ETHICAL CONSIDERATIONS	
 Chapter 23	
Forensic Investigation of Suicide Bombings	393
<i>Jehuda Hiss and Tzipi Kahana</i>	
 Chapter 24	
Psychological Effects of Terror Attacks	405
<i>Sara A. Freedman</i>	
 Chapter 25	
Ethics and Terror Medicine.....	425
<i>Leonard A. Cole</i>	



<http://www.springer.com/978-0-387-09411-3>

Essentials of Terror Medicine

Shapira, S.; Hammond, J.; Cole, L. (Eds.)

2009, XVI, 452 p., Hardcover

ISBN: 978-0-387-09411-3