
Contents

Part I Introduction: Pathophysiology

- 1 The Evolution of Trauma Systems** 3
Robert J. Winchell
- 2 The Concept of Damage Control** 19
Claudia E. Goettler, Peter V. Giannoudis,
and Michael F. Rotondo
- 3 Changing Epidemiology of Polytrauma** 27
Fiona Lecky, Omar Bouamra, and Maralyn Woodford
- 4 Response to Major Injury** 33
Todd W. Costantini and Raul Coimbra
- 5 Defining the Lethal Triad** 41
Mitchell Dyer and Matthew D. Neal

Part II General Treatment Principles

- 6 Damage Control Resuscitation** 57
Eric J. Voiglio, Bertrand Prunet, Nicolas Prat,
and Jean-Stéphane David
- 7 Head Injury** 71
James M. Schuster and Philip F. Stahel
- 8 Chest Trauma: Classification and Influence
on the General Management** 79
Frank Hildebrand, Hagen Andruszkow,
and Hans-Christoph Pape
- 9 Abdominal Compartment Syndrome** 97
Rao R. Ivatury
- 10 Orthopaedic Surgery Approach to Damage Control:
Decision-Making and Indications** 107
Marius Keel and Hans-Christoph Pape
- 11 General Surgery Approach to DC: Decision Making
and Indications** 111
Molly Deane and Jose J. Diaz Jr

12	New Technologies for Vascular Injuries and Hemorrhage Control	117
	Megan L. Brenner and Thomas M. Scalea	
Part III Phases of Damage Control		
13	Prehospital Damage Control	133
	Eileen M. Bulger	
14	Phase I: Abbreviated Surgery (General Surgery)	143
	Brian P. Smith and Patrick M. Reilly	
15	Abbreviated Surgery: Orthopaedic Surgery	159
	Roman Pfeifer, Kai Sprengel, and Hans-Christoph Pape	
16	ICU Care Following Damage Control Surgery	169
	Constance W. Lee, Phillip A. Efron, and Frederick A. Moore	
17	Damage Control Phase III: Repair of All Injuries, General Surgery	179
	Babak Sarani and Patrick Maluso	
18	Phase III: Second Operation: Repair of All Injuries, Orthopedic Surgery	187
	Hans-Christoph Pape and P. Giannoudis	
19	Phase IV: Late Reconstruction, Plastic Surgery for Orthopedics	195
	LCDR Scott M. Tintle and L. Scott Levin	
20	Phase IV: Late Reconstruction – Abdominal/Chest Wall Closure	207
	Whitney M. Guerrero and Timothy C. Fabian	
Part IV Special Circumstances and Outcomes		
21	Principles of Damage Control for Pelvic Ring Injuries	219
	P.V. Giannoudis and Hans-Christoph Pape	
22	Principles of Damage Control for Pediatric Trauma	233
	Christine M. Leeper, Andrew Peitzman, and Barbara A. Gaines	
23	Principles of Damage Control in the Elderly	249
	Pol Maria Rommens and Sebastian Kuhn	
24	Damage Control in Vascular Injury	263
	L.P.H. Leenen	
25	Principles for Damage Control in Military Casualties	273
	John B. Holcomb and Thomas A. Mitchell	
26	Penetrating Injuries and Damage Control Surgery: Considerations and Treatment Options	283
	Oscar J.F. van Waes and Michael H.J. Verhofstad	

27	Complications After Damage Control Surgery: Pin-Tract Infection	297
	Peter V. Giannoudis and Paul Harwood	
28	Complications Status Post Damage Control for the General Surgeon	309
	Anastasia Kunac and David H. Livingston	
29	DC2 Outcomes of Damage Control Surgery: General	319
	Ben Kautza and Jason Sperry	
30	Late Outcome After Severe Fractures	325
	Roman Pfeifer and Christian Fang	
	Index	333

Damage Control Management in the Polytrauma Patient

Pape, H.-C.; Peitzman, A.B.; Rotondo, M.F.; Giannoudis, P.V. (Eds.)

2017, XI, 338 p. 95 illus., 58 illus. in color., Hardcover

ISBN: 978-3-319-52427-6