Contents

List Pref	of contributors cace	page viii xiii
Sect	tion 1. General Concepts	
1.	Nutritional physiology of the critically ill patient David C. Frankenfield	1
2.	Nutritional assessment of the critically ill patient Mario Siervo and Carla Prado	13
3.	Body composition assessment of the critically ill patient Ying Ji and Dympna Gallagher	21
4.	Micronutrient and vitamin physiology and requirements in critically ill patients Timothy Eden, Minha Rajput-Ray, and Sumantra Ray	33
Sect	ion 2. Nutritional Delivery and Dietetics	
5.	Enteral and parenteral feeding protocols Malissa Warren and Robert Martindale	43
6.	Commercial nutritional enteral and parenteral formulations in critical care Jonathan A. Silversides, Stephen T Webb, and Andrew J. Ferguson	53
-	Nutritional supplements in critically ill patients Shaul Lev. Ilya Kagan, and Pierre Singer	67
Sect	tion 3. General Problems in Critical Care	
8.	Gastrointestinal disturbances in critically ill patients Andrew M. Hetreed and Peter Faber	73

9.	Fluid and electrolyte management in critical care medicine Nils Siegenthaler, Paolo Merlani, and Andreas Perren	83
10.	Hormonal responses and nutritional management of adults in critical care units John A. Tayek	97
Sect	ion 4. Nutritional Support for Specific Conditions and Pathologies	
11.	Nutritional support of critically ill burn patients Bjarne F Alsbjoern	109
12.	Nutritional support of critically ill neurosurgical patients Roland N. Dickerson and Peter Faber	117
13.	Nutritional support of critically ill immuno-compromised patients Peter K. Linden	135
14.	Nutritional support of critically ill cancer patients Wilson I. Gonsalves and Aminah Jatoi	147
15.	Nutritional support of critically ill patients after gastrointestinal surgery Shay Nanthakumaran and Jan O. Jansen	155
16.	Nutritional support of critically ill patients with renal failure Patricia Wiesen and Jean-Charles Preiser	163
17.	Nutritional support of critically ill patients with liver and pancreatic failure Euan Thomson and Alistair Lee	175
18.	Nutritional support and implications for critically ill patients with sepsis Michael H. Hooper and Paul E. Marik	187
19.	Nutrition in cardiac intensive care Peter McCanny, Danny Collins, and Andrew A. Klein	199
20.	Nutritional support of critically ill patients with respiratory disorders Krista L. Turner	211

		Contents	vii
I	Nutritional support of critically ill organ transplantation patients Andrew J. Kerwin and Michael S. Nussbaum	221	
	Nutritional management of anorexia in critical care Maria Gabriella Gentile	229	
	Nutritional support of critically ill obese patients Dong Wook Kim and Caroline M. Apovian	237	
Index		243	