

# Contents

<b>Overview of Airway Practice</b> .....	1
<i>Eric R. Leiendoecker, MD, Arielle Butterly, MD, and Craig S. Jabaley, MD</i>	
<b>Intubation Medications</b> .....	19
<i>Nicole M. Acquisto, PharmD, FASHP, FCCM, FCCP, BCCCP, and Milad Sharifpour, MD, MS</i>	
<b>Laryngoscopy: Direct Laryngoscopy and Videolaryngoscopy</b> .....	33
<i>Susan R. Wilcox, MD, FCCM</i>	
<b>Emergent Surgical Airways</b> .....	43
<i>Eugenia Ester Lee, MD, MPH, Daniel Dante Yeh, MD, MHPE, FACS, FCCM, and Christopher R. Tainter, MD, RDMS, FCCM</i>	
<b>The Team Approach to Emergency Airway Management: Rationale, Structure, and Implementation</b> .....	49
<i>Edward A. Bittner, MD, PhD, MSED, FCCM, and Milad Sharifpour, MD, MS</i>	
<b>Advanced Airway Techniques</b> .....	67
<i>Jeffrey Huang, MD, Joshua J. Pickett, DO, Pritee A. Tarwade, MBBS, Nathan J. Smischney, MD, MSc, and Daniel A. Diedrich, MD</i>	
<b>Safe Mechanical Ventilation</b> .....	83
<i>John J. Gallagher, DNP, RN, CCNS, CCRN-K, RRT, FCCM, and John Hunninghake, MD, FACP</i>	
<b>Patient-Ventilator Asynchrony</b> .....	95
<i>Arthur Tokarczyk, MD, FCCP, and Karen G. Mellott, PhD, RN</i>	
<b>Noninvasive Ventilation and High-Flow Nasal Cannula</b> .....	111
<i>David Ferraro, MD, FCCM, and Tanner Hill, RRT, LRT</i>	
<b>Disease-Specific Strategies</b> .....	127
<i>Matthew Mueller, DO, MPH, James Barger, MD, MSE, Craig S. Jabaley, MD, and Christopher Tainter, MD</i>	
<b>Weaning the Difficult Patient</b> .....	141
<i>Roberta Ribeiro De Santis Santiago MD, PhD, RRT, Edward A. Bittner MD, PhD, FCCM, and John J. Gallagher DNP, RN, RRT, FCCM</i>	
<b>Appendix: A Brief Overview of Ventilator-Associated Pneumonia and Ventilator-Associated Events</b> .....	149
<i>Roberta Ribeiro De Santis Santiago, MD, PhD, RRT, and Edward A. Bittner, MD, PhD, FCCM</i>	
<b>Index</b> .....	155