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Titolo	Mechanical Ventilation in Emergency Medicine // by Susan R. Wilcox, Ani Aydin, Evie G. Marcolini
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Descrizione fisica	1 online resource (121 pages)
Disciplina	614.8
Soggetti	Emergency medicine Respiratory organs—Diseases Critical care medicine Respiration, Artificial - methods Emergencies Emergency Medicine Pneumology/Respiratory System Intensive / Critical Care Medicine
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Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction -- Chapter 2. Terminology and Definitions -- Chapter 3. Review of Physiology and Pathophysiology -- Chapter 4. Modes of Ventilation -- Chapter 5. Pressures on the Ventilator -- Chapter 6. Understanding the Ventilator Screen -- Chapter 7. Setting the Ventilator -- Chapter 8. Specific Circumstances: Acute Respiratory Distress Syndrome -- Chapter 9. Asthma -- Chapter 10. COPD -- Chapter 11. Traumatic Brain Injury -- Chapter 12. Troubleshooting the Mechanically Ventilated Patient -- Chapter 13. Case Studies in Mechanical Ventilation in Emergency Medicine -- Chapter 14. Conclusions and Key Concepts.
Sommario/riassunto	This book discusses mechanical ventilation in emergency settings, covering the management of patients from the time of intubation until transfer to the ICU. It provides an introduction to key concepts of physiology pertinent to mechanical ventilation as well as a review of the core evidence-based principles of ventilation. The text highlights the

management of mechanical ventilation for critically ill patients with several conditions commonly encountered in EM practice, including acute respiratory distress syndrome, asthma, chronic obstructive pulmonary disease, and traumatic brain injury. It begins by reviewing terminology and definitions as well as pathophysiology and physiology. It then addresses the use of ventilators including modes of ventilation, pressures on the ventilators, understanding the screens, the variety of settings, and troubleshooting. It concludes with a series of case studies from emergency settings and a review of key concepts. Mechanical Ventilation in Emergency Medicine is an essential resource for emergency medicine clinicians including experienced physicians, EM residents, physician assistants, nurse practitioners, nurses, and medical students rotating in the ED as well as professionals who provide emergency care for ventilated patients outside the emergency department, including paramedics, critical care transport nurses, and hospitalists.
