



METADATA

Title: Respiratory Failure and Mechanical Ventilation

Other Titles: -

Language: Greek

Authors: Koutsoukou, A., Professor Emeritus, NKUA, Georgopoulos, D., Professor Emeritus, UOC

ISBN: 978-618-228-319-6

Subject: MEDICINE AND HEALTH SCIENCES, LIFE SCIENCES, BIOLOGICAL SCIENCES

Keywords: Respiratory Failure / Mechanical Ventilation / Respiratory Physiology / Lung Diseases / Intensive Care

Bibliographic Reference: Koutsoukou, A., & Georgopoulos, D. (2025). Respiratory Failure and Mechanical Ventilation [Postgraduate textbook]. Kallipos, Open Academic Editions. <http://doi.org/10.57713/kallipos-1070>

Abstract

The book Respiratory Failure & Mechanical Ventilation targets postgraduate medical students and healthcare professionals, offering comprehensive knowledge of the physiology, pathophysiology, and practice of mechanical ventilation. Divided into eight sections, it begins with fundamental physiological concepts and progresses to complications, applications in special cases, and weaning from mechanical ventilation. The book addresses

respiratory failure as a life-threatening condition requiring specialised knowledge and skills. It features over 120 diagrams and images to enhance understanding, and also explores ethical dilemmas arising from the use of mechanical ventilation. With contributions from experts in various clinical settings, the book serves as a valuable guide for the effective and safe management of patients with respiratory failure.

