



## METADATA

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## Abstract

This handbook is a brief practical guide for undergraduate students, which describes basic principles for the application of mechanical ventilation in everyday practice. It includes a description of the basic modes, parameters, variables and settings of mechanical ventilation. The textbook, also, includes current therapeutic strategies for respiratory failure, useful parameters of monitoring

of the applied strategies, as well as the effect of mechanical breath on the cardiovascular system. The handbook deals with both acute and long-term applications of mechanical ventilation and weaning strategies. Finally, this textbook provides examples of the characteristic waveforms of the various parameters of mechanical ventilation, and test cases based on real-life scenarios.