UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Fisiopatologia della Ventilazione Meccanica

1819-3-H4101D128

Aims

Learn the mechanisms underlying mechanical ventilation

Contents

Mechanical ventilation represents a necessary therapeutic tool in patients with acute respiratory failure. The course is meant for students from the 3rd year on and it is aimed to illustrate the mechanisms beyond mechanical ventilation. The course will address the subject mainly from a pathophysiological standpoint, namely as the application of principles and rules of respiratory and cardiovascular physiology. For this reason the course can be of interest for any student, even if without a specific interest towards critical care

Detailed program

· Indications for mechanical ventilation

· Respiratory mechanics during artificial respiration

· Patient-ventilator interaction during partial ventilatory assistance

· Heart-lung interaction during artificial respiration

Prerequisites

Medical students at the 3rd year and over and students of the Course in Biomedical Technology, 2nd year and over

Teaching form

Lessons, training with mechanical ventilators

Textbook and teaching resource

Ventilazione artificiale meccanica di Torri Giorgio, Calderini Edoardo. Delfino Editore

Semester

Assessment method

Interactive verification at the course conclusion

Office hours