



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Non Invasive Mechanical Ventilation

2425-4-H4101D089

Aims

Learning the pathophysiological mechanisms of respiratory failure.

Learning how to deliver oxygen therapy including the High Flow Nasal Cannula.

Learning the delivery methods and parameters of non-invasive and invasive ventilation and the indications and methods of performing pronation on a conscious patient.

Contents

Insight into the pathophysiology of respiratory failure. Insight into oxygen therapy including the High Flow Nasal Cannula.

In-depth analysis of the delivery methods and parameters of non-invasive and invasive ventilation.

Detailed program

Pathophysiological mechanisms of respiratory failure.

Oxygen therapy delivery methods including the High Flow Nasal Cannula.

Review on the interpretation of arterial blood gas analysis.

Purpose and method of delivery of non-invasive ventilation (both CPAP and PSV).

In-depth information on how to choose the non-invasive ventilation interface and how to set the ventilator parameters.

In-depth study on awake pronation.

In-depth analysis of the methods of providing invasive ventilation and the differences between oro-tracheal intubation and tracheostomy tube.

Prerequisites

from IV° year of course

Teaching form

Interactive lectures and exercises.
Presentation/discussion of clinical cases.

Textbook and teaching resource

slides provided by tutor

Semester

from 4° year of course

Assessment method

frequency

Office hours

by appointment by writing to paola.faverio@unimib.it

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING
