Respiratory muscle weakness in ICU: from physiology to bedside

14 – 15 April 2025

University of Ferrara

Aula C2 Nuovo polo didattico

Prof Dr Dres Martin

Sorbonne University (Paris)

Respiratory muscle weakness in ICU

Welcome to the Respiratory Muscle Management in the ICU course. This program is designed to enhance your understanding of respiratory muscle function and its critical role in the care of ICU patients. We'll explore the physiological aspects of respiratory muscle weakness, advanced monitoring techniques, and emerging therapies that can improve patient outcomes, especially during mechanical ventilation weaning. Through expert-led sessions and practical case studies, you will gain the tools necessary to recognize, assess, and manage respiratory muscle issues effectively in critically ill patients. This course is ideal for clinicians and healthcare professionals looking to deepen their knowledge and enhance their ICU practices. We look forward to your participation and engagement throughout this learning experience.

For event registration, free registration is appreciated by sending an email to spdsvn@unife.it

Dipartimento di Medicina Traslazionale e per la Romagna

DIPARTIMENTO DI ECCELLENZA

Introduction – 14 april 2025
Prof Volta CA

15:00 -16:00 Lecture: Respiratory muscle weakness in ICU: from physiology to monitoring at bedside
Prof Dres Martin

Pause

Moderators: Spadaro S

16:30 – 17:00 Advanced respiratory Monitoring during weaning of MV: focus on phrenic nerve stimulation.
Prof Dres Martin

Moderators: Scaramuzzo G

17:00 – 17:30 Early detection and management of respiratory muscles fatigue

17:30 -18:00 New frontiers of therapeutical approach

From research to bedside – 15th April 2025

Aula pleanaria 1C3 – Ospedale Cona

09:00 -10:00: Breakfast brainstorming: what is the «future» research question? (abstract presentation –discussion) (Prof Dres – Scaramuzzo – Spadaro)

10:00 -10:30: New insight on the role of HFNC in intubated patients
Prof Dres Martin

Pause

11:00– 12:00: Hands on – Evaluation of accessory respiratory muscle in healthy voluntary.
Prof Dres Martin