

**Course Title:** Breathing Essentials 206 – Diaphragm in Critical Care

**Course Description:** This 1-hour seminar will examine the diaphragm in critical care. Neurological compromise, traumatic injury and congenital defects will be presented. A detailed examination of the phrenic nerve and the neurological compromises of the diaphragm is given. Numerous acquired defects of the diaphragm and their treatments are reviewed in detail. Understanding how the diaphragm will adapt to prolonged ventilation (VIDD) and the consequences that result is examined. There are reviews of various current studies regarding early mobilization in the ICU for prevention and treatment of Intensive Care Unit Acquired Weakness.

**Target Audience:** OT / OTA and other healthcare professionals

**Course Type:** Video vs. Text-based

**Educational Level:** Beginner, Intermediate, Advanced

**CE Hours:** 1 contact hour / .1 ceu

**Course Prerequisites:** None

**Course Author / Instructor:** Debra Dent, BPT, Dip Manip, PT, OCS, FCAMPT

**Learning Objectives:**

- Describe the anatomical structure of the diaphragm including innervation and blood supply.
- List four causes that may damage the innervation to the diaphragm and effect normal function.
- Describe the factors involved in Intensive Care Unit Acquired Weakness.
- Be able to describe the pros and cons of early mobilization in the ICU.

**Outline of Content:**

**Hour #1**

Anatomy of the diaphragm

Anatomy of the phrenic nerve

Neurological compromise of the diaphragm

Acquired injuries of the diaphragm

Congenital issues

Response of the diaphragm to ventilation

Ventilator Induced Diaphragm Dysfunction (VIDD)

Intensive Care Unit Acquired Weakness (ICUAW)

Suggested approaches for care

Review of current studies on the pathophysiology of VIDD, ICUAW and approaches to prevention and treatment

### **Course Completion Requirements:**

A passing score of 100% is required for course completion. You will have as many attempts as needed until your passing score of 100% is achieved. Upon successful completion of course and completing a satisfaction survey, you will receive your certificate of completion.

### **Additional Course Information**

**Course Registration:** Register for Free at [www.OnlineCE.com](http://www.OnlineCE.com). Once registered, you can begin to purchase courses. Contact [info@onlinece.com](mailto:info@onlinece.com) for special needs requests and assistance.

**Refund Policy:** There will be no refunds for courses taken at OnlineCE.com or monies deposited into My CE Bank. Any money on account will be used for taking future courses. If you start a course in error, or if you are dissatisfied with a course, please contact us in the first part of the course and we will void the course and you can select a replacement course.

**Cancellation Policy:** Only available courses are offered online and on-demand and available for purchase. No registration fees are collected for courses that are not provided on-demand. Due to the online and on demand format, courses are not cancelled.

**Course Date and Location:** This is an independent course that is available 24/7 on-demand at [www.OnlineCE.com](http://www.OnlineCE.com).

**Required Materials and Equipment:** Courses offered on OnlineCE.com can be accessed on any type of computer or device. No special software is required but we do recommend the use of the Chrome Browser (recommended, not required). All course materials are contained within the courses and no prerequisites are required.



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