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AOTA Approved Provider #4023

Course Title: Breathing Essentials 206

Course Subtitle: 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, PT/PTA and other healthcare professionals

Course Length: 1 hour

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

Educational Level: Introductory, Intermediate, Advanced

The course is written at the intermediate level, but learners of all levels will benefit from the information.

Course Objectives:

At the end of the course, participants will be able to:

- 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

Instructional Methods and Formats:

Online course available 24/7 at www.OnlineCE.com includes PDF downloadable course. See course formats for additional details.

Course Completion Requirements:

A minimum 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, you will receive your certificate of completion and AOTA eligible CEUs.

AOTA Classification Codes:

Category 1: Domain of OT

Category 2: Occupational Therapy Process

Category 3: Professional Issues

Additional Policies:

OnlineCE Policies are available by clicking on the tab – Policies – located in the left-hand navigation bar.

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