



Course Title: Breathing Essentials 202 – Function of Respiration

Course Description: Function of respiration is a 2-hour seminar which continues with the anatomical makeup of the thorax that was initiated in Breathing Essentials 201. Detailed descriptions of the muscular component of the thorax including function of these muscles will be discussed. Correct breathing mechanics and the physiology of respiration will be covered. Adverse physiology will be introduced. This thread will be continued with in Breathing Essentials 203: Altered Breathing Patterns and Their Consequences. The importance of the diaphragm and its numerous functions will be presented. Discussion of Differential Diagnosis of the Thoracic spine will also be discussed. The videos for the Respiration Labs will present breathing observations, a review of rib biomechanics, a patient video, chest expansion measurement, breathing techniques, and numerous breathing exercises will be presented.

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 physiology of breathing and how altered pH can affect the body.
- Describe two functions of the diaphragm.
- Identify limited chest expansion and Bradcliff angles and ski jumps.
- Identify limited lateral costal breathing and how to facilitate normal lateral costal breathing.

Agenda:

Hour #1

Muscles of respiration anatomy
Diaphragm, intercostals, scalenes, levator costae, transversus abdominus
Mechanics of breathing
Normal breathing-mechanical effects Physiology of Respiration

Hour #2

Lung volumes Lung perfusion
Blood pH, hypercapnia and hypocapnia responses Function of the Diaphragm
Respiration and Lab Videos

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. Once registered, you can begin to purchase courses. Contact 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.

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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