



Online Continuing Education Courses
www.OnlineCE.com



AOTA Approved Provider #4023

Course Title: Cardiopulmonary 102

Course Subtitle: Cardiopulmonary Physiology

Course Description: Cardiopulmonary 102, Cardiopulmonary Physiology, is a 1-hour course designed for the beginning to intermediate clinician in need of a review or comprehensive introduction into the physiology of the cardiopulmonary system. An understanding of basic normal physiology is important as a foundation to understanding and recognizing deficits in cardiopulmonary function. This course provides an overview of cardiopulmonary physiology related to the central and peripheral mechanisms that control breathing including muscle, joint, lung and chest wall stretch receptors. A thorough understanding of cardiopulmonary physiology is fundamental to performing a thorough assessment and having the ability to develop an effective treatment plan.

Target Audience: OT/OTA

Course Length: 1 hour

Course Author/Instructor: Frownfelter, PT, DPT, MA CCS, RRT, FCCP and Dean, PhD, PT / Brown, MS, OTR/L, CHT

Educational Level: Introductory, Intermediate, Advanced

Course Objectives:

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

- Examine normal physiology of the cardiopulmonary system
- List the mechanical factors involved in breathing and the control of breathing
- Describe the processes of ventilation, diffusion and perfusion
- Describe respiratory mechanics related to airway resistance and lung compliance
- Describe oxyhemoglobin dissociation and the oxyhemoglobin dissociation curve
- Explain electromechanical coupling in the heart
- Name and describe 3 cardiac reflexes
- Describe the transport of oxygen by the blood and the transport of carbon dioxide

Outline of Content:

Hour #1

Introduction
Control of Breathing
Reflexes
Mechanical Factors in Breathing
Ventilation
Diffusion
Perfusion
Cardiac Reflexes
Coordination of Cardiac Events
Transport of Oxygen by the Blood
Transport of Carbon Dioxide
Summary

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.

OnlineCE.com is an AOTA Approved Provider of continuing education. AOTA does not endorse specific course content, products, or clinical procedures.