



Online Continuing Education Courses  
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AOTA Approved Provider #4023

**Course Title:** Cardiopulmonary 103

**Course Subtitle:** Cardiopulmonary Pathophysiology

**Course Description:** Cardiopulmonary 103, Cardiopulmonary Pathophysiology, is a 2-hour course designed for the beginning to intermediate clinician in need of a review or comprehensive introduction into the pathophysiology of the cardiopulmonary system. It is important for therapists to have a thorough understanding of cardiovascular and pulmonary conditions as these are among the leading cause of morbidity and mortality. This course will differentiate the pathophysiology related to the structure and function of obstructive vs. restrictive lung conditions. An extensive overview of pathophysiological features of various conditions including atherosclerosis, ischemic heart disease, coronary artery disease plus more will be reviewed. This course will highlight hypertension, diabetes mellitus, anemia and syncope. Cardiac dysfunction secondary to noncardiac conditions will also be addressed.

**Target Audience:** OT/OTA

**Course Length:** 2 hours

**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:

- Discuss how smoking impacts the cardiovascular and pulmonary systems
- Describe how lung dysfunction leads to cardiac dysfunction
- Describe how cardiac dysfunction leads to lung dysfunction
- Differentiate obstructive from restrictive pulmonary pathology and the manifestations of each
- Name 5 factors that precipitate an asthma attack
- List 3 risk factors of coronary artery disease
- Describe the process of arteriosclerosis

- Discuss rheumatoid arthritis and its impact on specific organs

## **Outline of Content:**

### **Hour #1**

Introduction  
Obstructive Lung Disease  
Emphysema  
Prognosis  
Bronchiectasis  
Restrictive Lung Disease  
Eosinophilia  
Sarcoidosis and RA

### **Hour #2**

Coronary Artery Disease  
Obstructive Sleep Apnea  
Myocardial Infarction  
Congestive Heart Failure  
Compensated and Decompensated Heart Failure  
Pulmonary Hypertension  
Athletic Heart Syndrome  
Summary

## **Instructional Methods and Formats:**

Online course available 24/7 at [www.OnlineCE.com](http://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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