



Basic Course in Occupational Medicine, Part I Learning Objectives

A. Overview

At the end of the presentation the attendee will be able to:

- Introduce participants to the College, the CAQ and the Board of Preventive Medicine
- Preview the Basic Course in Occupational and Preventive Medicine
- Discuss Occupational Medicine as a Career
- Provide a pre-test to participants

B. Introduction to Occupational Medicine

At the end of this lecture, the student will be able to:

- Understand the scope and practice of OM
- Name 2 historical OM figures
- Identify significant laws
- Name one major preventive health initiative in which OM plays an important role
- Enumerate OM services delivery methods
- Explain the essential and elective components of an OM practice

C. Ergonomics

At the end of this lecture, the student will be able to:

- Define Ergonomics & Work-Related Musculoskeletal Disorder
- Identify the Elements of an Ergonomics Process
- Explain Ergonomic Risk Factors
- Describe Causation issues
- Outline Intervention Strategies

D. Medical Surveillance

At the end of the presentation the attendee will be able to:

- Define Medical Surveillance
- Discuss the purpose of Medical Surveillance
- Describe the phases of a Medical Surveillance Program
- Identify and understand the significance of Occupational Sentinel Health Events
- Recognize the distinction between well-established Medical Surveillance protocols and nascent protocols for new substances

E. Biostatistics and Epidemiology

At the end of this lecture, the student will be able to:

- Define Epidemiology and how it explains disease patterns.
- Explain the differences between epidemiology and clinical medicine.
- Identify the types of epidemiologic studies.
- Describe the measures of association between a factor and an outcome.

F. Occupational Safety & Health Regulations

At the end of this lecture, the student will be able to:

- Evaluate the impact that various governmental and private sector organizations have upon employers in their management of environmental issues.
- Determine the degree to which a broad range of occupational health laws and regulations directly impact clinical practice in occupational medicine
- Apply new changes to existing laws which affect occupational medicine practice
- Implement an effective clinical program in the Worker Compensation environment



- Employ the use of the internet as a valuable resource in the practice of occupational medicine

G. Clinical Toxicology

At the end of this lecture, the student will be able to:

- Understand the definition of TOX
- Identify Various Aspects of Chemical Exposure
- Identify methods, common applications of TOX in Chemical induced illness
- Understand the routes and degree of exposure, absorption and metabolism
- Understand Exposure - Dose Response Relationship, Duration, Frequency, Distribution, effect on Target Organ, Metabolism and Routes of Excretion

H. Facility Walk-Through Survey

At the end of this lecture, the student will be able to:

- Develop a strategy for conducting a workplace walk-through survey.
- Organize a format for recording essential observations.
- Consider unique characteristics of various industries in evaluating worksites.
- Consider applicable governmental regulations in their assessments.
- Effectively utilize information resources.