



AOEC Peer Reviewed Modules Updated December 2010

Agriculture Respiratory Hazards

By William S. Beckett, MD, MPH, Jane Boyd, RN, COHN (2008)
University of Rochester Medical Center
New York Occupational Health Clinic Network

Asthma, Occupational

By William S Beckett, MD MPH, Dina Markowitz, PhD (2000)
Occupational Medicine and Pulmonary and Critical Care Divisions
University of Rochester School of Medicine and Dentistry
Supported by AOEC and NIOSH.

Audiometric Testing and Occupational Hearing Conservation

By Thomas W. Rimmer, ScD, CIH (2008)
Fay W. Boozman College of Public Health
University of Arkansas for Medical Sciences

Bioterrorism Responses by Health Care Professionals

by Royce Moser, Jr., M.D., MPH (2003)
Rocky Mountain Center for Occupational and Environmental Health

Carbon Monoxide Health Effects

by James Cone, MD, Carole Chazin, PhD, Carrie Sadovnik, MS, CIH., Kelly Kass, Camera,
Melissa Hacker, Video Editor, Debra Milek, MD (2007)

Criteria Air Pollutants Impacts on The Respiratory Health Of Children

By John R. Balmes, MD (2000)

University of California, San Francisco

Drinking Water Contamination

by Michael Greenberg, MD, MPH, Arthur Frank, MD, PhD, and John Curtis, MD (2007)
The University of Texas Health Science Center at San Antonio (UTHSCSA) Environmental
Medicine Education Program and South Texas Environmental Education and Research Program
(STEER-San Antonio/Laredo/Harlingen,Texas)

Topics: Case Studies, GI Illnesses, Arsenic, Methemoglobin, Perchlorates, Solvents, MTBE,
Metals, Bacteria, Protozoa, Cryptosporidium, Viruses, Terrorism, Physician roles

Environmental Lead: Sources of Occupational Exposure, Clinical Toxicology, and Control

By Tee Guidotti, MD, MPH (2000)
Dept. of Environmental Health Sciences



School of Public Health and Health Services
The George Washington University

Ergonomics - A Basic Overview

By Sandra N. Mohr, MD, MPH (2000)
Richard M. Lynch, PhD, CIH
Environmental and Occupational Health Sciences Institute

Heart Disease and Occupational Health

By John D Meyer MD MPH (2002)
West Virginia University
University of Manchester, UK
Supported by AOEC.

Heavy Metal Toxicity

by Scott Phillips, MD, FACP, FACMT, FAACT (2007)
Marci Balge, RN, MSN, COHN-S
The University of Texas Health Science Center at San Antonio (UTHSCSA) Environmental
Medicine Education Program and South Texas Environmental Education and Research Program
(STEER-San Antonio/Laredo/Harlingen,Texas)

Topics: Definitions, Periodic Table, Azarcon, Lead, Arsenic, Cadmium, Mercury (organic & inorganic).

Indoor Mold Exposure Health Effects

by Rose Goldman, MD, MPH and Alan Woolf, MD, MPH (2007)
The University of Texas Health Science Center at San Antonio (UTHSCSA) Environmental
Medicine Education Program and South Texas Environmental Education and Research Program
(STEER-San Antonio/Laredo/Harlingen,Texas)

Influenza Prevention

by William Buchta, MD (2009)
Mayo Clinic

Programs were developed by AOEC member, William Buchta, MD of the Mayo Clinic. The two modules outline basic information about and prevention strategies for both typical seasonal influenza and H1N1. The two modules are very similar but one is designed for physicians and nurses and has a bit more clinical detail while the other is for allied health personnel. They are designed to be reviewed on an individual basis but can be used as a starting point for a full lecture.

They do not necessarily reflect the views of the Mayo Clinic system. Permission has been given by Dr. Buchta for use of these modules by AOEC members.

2009 Influenza Education Physicians and Nurses,



2009 Influenza Education Allied Health,

Inorganic Dusts

by Michael Greenberg, MD, MPH, Arthur Frank, MD, PhD, and John Curtis, MD (2007)
The University of Texas Health Science Center at San Antonio (UTHSCSA) Environmental
Medicine Education Program and South Texas Environmental Education and Research Program
(STEER-San Antonio/Laredo/Harlingen,Texas)

Topics: Historical Perspective, Libby Montana, Tremolite, Asbestos, Asbestosis,
Mesothelioma, Silica, Fiberglass, Prevention, Evaluation, Diagnosis

Lead- It's Everywhere

By Alan M. Ducatman, MD, MSc (2002)
West Virginia University School of Medicine
Supported by AOEC and ATSDR.

Particulate Matter Toxicology

by Michael J. Wernke, R.Ph., Ph.D; Marci Balge, RN, MSN, COHN-S; Scott Phillips, MD,
FACP, FACMT, FAACT (2007)
The University of Texas Health Science Center at San Antonio (UTHSCSA) Environmental
Medicine Education Program and South Texas Environmental Education and Research Program
(STEER-San Antonio/Laredo/Harlingen,Texas)

Pediatric Environmental Health

by Rose Goldman, MD, MPH; Michael Shannon, MD, MPH; Alan Woolf, MD, MPH (2009)

Objectives: Brief overview of issues in pediatric environmental health:

- How has Pediatric Environmental Health evolved and what is it at present?
- Physiological and behavioral differences that make children more vulnerable to toxic exposures than adults
- How ongoing epidemiological and toxicological studies have altered are concept of what is “acceptable” exposure
- Issues related to child labor, both in the US, and other parts of the world
- Positive contributors from the environment, and what is our legacy

Pediatric Environmental Health History

By Rose H. Goldman, MD MPH Michael Shannon, MD MPH, Alan Woolf, MD MPH (1999)
Pediatric Environmental Health Unit of Cambridge Hospital and Children's Hospital, Boston
Supported by AOEC and ATSDR.

Pesticide Illness

by Rupali Das, MD, MPH, California Department of Health Services (2004)

A O E C

Michael O'Malley, MD, MPH, University of California, Davis
Laura Styles, MPH, Public Health Institute

Objectives: This module is intended to teach the practicing physician more about pesticide illness. The first segment describes general aspects of pesticide toxicology, and pesticide illness epidemiology, diagnosis, and treatment. Subsequent segments will discuss acute pesticide illness due to specific pesticide classes (Parts 2 and 3) and chronic pesticide illness (Part 4). Each segment will use case presentations to illustrate the educational material.

Silica: The Deadly Dust

By Karen B. Mulloy, DO, MSCH and Ken Silver, PhD (2008)
Occupational and Environmental Health; University of New Mexico Health Sciences Center
Department of Environmental Health; East Tennessee State University

Smoking and Occupational Health

By William S. Beckett M.D., M.P.H., Dina Markowitz Ph.D. (2002)
Occupational Medicine and Pulmonary and Critical Care Divisions
University of Rochester School of Medicine and Dentistry
Supported by AOEC and NIOSH.

Solvents' Health Hazards

by James E. Cone MD, MPH (2003)
and Karen Packard, RDH, MS

Objectives: To provide an overview of occupational solvent exposure; To review potential health outcomes and public health prevention options; To provide step by step approach to diagnostic testing and treatment of solvent-related diseases; To provide background information on specific solvents; To illustrate the diverse effects of solvents through cases involving solvent toxicity.

Worker Preparedness and Response to Bioterrorism

by Edward W. Cetaruk, M.D. (2003)
University of Colorado Health Sciences Center Denver, Colorado

Objectives: To be able to list biological agents that may be weaponized; To describe the process of weaponization; To develop an understanding of the bioterrorist threat; To be able to recognize a biological attack.