

Peer-Reviewed Modules

Dermatology and Environmental Health

**167 slides, script, course outline, background material, 1995.**

Linda Cocchiarella, MD; Thomas Salopek, MD, University of Alberta.

*Comprehensive teaching module including material a variety of dermatological conditions such as contact dermatitis, urticaria, acne and chloracne, etc. Contains background material, copies of slides, script, ATSDR case study, and slides.*

**Environmental Aspects of Reproductive Health**

**19 slides, script, with slide printouts, 1998.**

Sue Upham, MD, MPH

*This learning module for health professionals studies a variety of exposures to humans which may adversely affect the functions of the male and female reproductive systems. They include a study of chemical contaminants in our water, soil, air and food.*

**Environmental Health Aspects of Cancer**

**55 slides, script, course outline, handouts, background material, 1996.**

Robert K. McLellan, MD, MPH; Hilton C. Lewinsohn, MB BCH, FFOM, DIH

*Comprehensive teaching module on environmental health aspects of cancer. Various topics are covered including tumor pathology and mechanisms, approaches to identifying carcinogens, examples of environmental carcinogens, and associated risk factors, etc..*

**Environmental Health Aspects of Household Hazards**

**29 slides, course outline, handouts, background material, 1995.**

Raymond Thron, PhD; Timothy Burkhardt, MPH.

*Comprehensive teaching module on household hazards including; lead, asbestos, cleaning materials, solvents, and others. Contains slides, script, text copies of slides, student handouts and background material for presenter.*

**Environmental Health Effects of Ambient Air Pollution**

**36 slides, script, course outline, 1991.**

Glenn Pransky, MD; Kathleen Rest, PhD; and Sabrina Kurtz, M.Ed., University of MA Medical School

*Comprehensive module developed under contract with AOEC includes all materials necessary for grand rounds-medical seminar presentation including case study example, script, outline, handout and copies of key references. Targeted towards primary care physicians and medical students.*

**Environmental Health Effects of Groundwater Contamination**  
**42 slides, script, course outline, 1991.**

Glenn Pransky, MD; Kathleen Rest, PhD; and Sabrina Kurtz, M.Ed.

*Comprehensive teaching module including script, handout, outline, and copies of key references and resources. Material covers occupational/environmental sources of lead poisoning, clinical presentation, therapeutic and preventive approaches with mention of occupational/environmental regulations.*

**Lead: It's Everywhere**  
**56 slides, script, course outline, 2002.**

Alan M. Ducatman, MD, MSc, West Virginia University School of Medicine

*The module will teach clinicians about the history, sources, routes and extent of lead exposure, about health effects, surveillance, diagnosis, and treatment strategies, and about lead poisoning prevention. Module includes slide/CD presentations, expanded annotated slide presentation guide for teachers and students, relevant key articles and reviews and program evaluation form.*

**Ergonomics - A Basic Overview**  
**57 slides , script, handout material, pre/post test and references, 1999.**

Sandra N. Mohr, MD, MPH & Richard M. Lynch, PhD, CIH, Environmental & Occupational Health Sciences Institute.

*An education module designed for physicians and other health care providers to furnish them an introduction to the topic of ergonomics.*

**Evaluation of the Worker with Suspected Occupational Lung Disease**  
**17 slides, no script, 1998.**

Tee Guidotti, MD, MPH, University of Alberta, Canada

*Shows the major types of occupational lung disease, and the medical approach and evaluation of the injured worker. It also looks at structure, function, causation, prognosis, treatment and prevention factors in occupational disease.*

**The Exposure History**  
**27 slides, script, handouts, pre/post tests, and references, 1993.**

James Blessman, Jr., MD, Wayne State University

*Comprehensive teaching module including script, handouts, outline, copies of key references, and resources. Covers taking both an occupational and environmental exposure history and includes sample exposure history forms.*

**Hepatic Health Effects of Environmental Exposure**  
**50 slides and script, 1996**

Glenn Pransky, MD, MOH, University of Massachusetts

*Includes basic principles of environmental effects on liver, including diseases, drugs and genetics. Also, describes screening, diagnosis and prevention.*

**Indoor Environmental Quality: A Continuing Medical Evaluation Lecture Module for Clinicians**

**79 slides with script, handout, EPA Indoor Air Pollution material.**

James Cone, MD, MPH, Diane Bush, Susan Stair and Liz Katz; Hazard Evaluation System and Information Service, State of California.

*Provides introduction to key issues involved in investigating indoor air quality problems as well as discussion of symptoms and possible causes related to indoor air quality problems. Also available: **Video-NOVA Program on Sick Building Syndrome & EPA: Tools for Schools.***

**Kids and the Environment: Toxic Hazards, A Course on Pediatric Environmental Health Teaching course with text and reference articles.**

California Public Health Foundation

*Comprehensive course includes original text, reference articles, charts and handouts.*

**Living on the Chemical Edge: Medical Issues Concerning Residents Near Hazardous Waste Sites**

**54 slides and script, 1989.**

Tee Guidotti, University of Alberta

*Comprehensive presentation with script and handout targeted for the primary care physician, including citations and references. Slides illustrate typical super-fund exposures and rational approach to community concerns.*

**Noise Induced Hearing Loss**

**57 slides, script and articles, 1993.**

Karen Mulloy, DO, MSCH, Marshall University

*Introductory talk, slides and background articles.*

Occupational Asthma

**42 slides and CD-ROM with audio, 2000.**

William Beckett, MD, MPH and Dina Markowitz, PhD, University of Rochester School of Medicine.

*Comprehensive introduction on occupational asthma, causes, outcomes and appropriate medical responses. Targeted for the primary care physician and medical students.*

**Occupational and Environmental Liver Disease**

**33 slides and script.**

Glenn Pransky, MD, MOccH., University of Massachusetts Medical Center

*Includes script, outline and references, the relevant chapter in Levy and Wegman. Grand rounds type presentation reviewing various aspects of work related liver disease, differential diagnosis of suspected work-related liver problems and fitness to work determination form individuals with liver disease*

**Occupational Health and the Heart**  
**39 slides, script, 2002**

John Meyer, MD, MPH, West Virginia University, University of Manchester, UK

*Grand rounds type presentation including references, script, covering various issues in occupational cardiovascular toxicity (carbon monoxide, nitrates, carbon disulfide, noise) and brief discussion of work capability determination for cardiovascular patient. Also available as CD Rom. Replaces 1990 presentation on Occupational and Environmental Cardiovascular Disease by Glenn Pransky, MD, MOccH., University of Massachusetts Medical Center*

**Pediatric Environmental Health History**  
**CD with notes 1999**

Rose H. Goldman, MD, MPH, Michael Shannon, MD & Alan Woolf, MD, Pediatric Environmental Health Unit at Cambridge Hospital & Children's Hospital, Boston, Massachusetts  
*Program uses a case study of carbon monoxide exposure in a six-year-old. Examples are also given for symptoms in several stages of development including in the developing fetus. Program developed by Cambridge Hospital and the Children's Hospital, Boston, under the AOEC/ATSDR Pediatric Environmental Health Specialty Units project*

**Renal Health Effects of Environmental Toxicants**  
**40 slides with script. 1991**

Christopher Teaf, PhD. & Isabel Stabile, PhD., Florida State University

*Includes the common function of the kidney, various renal toxicants with their effects, therapeutic agents, an exposure assessment and a case study.*

**Reproductive Hazards in the Workplace and the Environment**  
**34 slides with text and syllabus for clinicians, 1991.**

Maureen Paul, MD, MPH, FACOG and Sabrina Kurtz, M.Ed., University of MA Medical School  
*Grand rounds presentation covering various aspects of reproductive hazards in the workplace, as well as in the community. Includes texts, syllabus, citations.*

**Risk Assessment and Environmental Health**  
**33 slides with text and student manual, 1996.**

Michael Gochfeld, Environmental and Occupational Health Sciences Institute

*An in-depth overview of risk assessment and environmental health. Topics covered includes definitions and stages of risk assessment, examples of risk management, analysis and application*

*of risk assessment, etc. Target audience: medical students. Also appropriate for primary care physicians and other health care providers. Also contains script.*

## **Smoking and Occupational Health CD ROM 2002**

William Beckett, MD, MPH, Dina Markowitz, PhD, University of Rochester.  
*Presentation of the occupational health problems associated with smoking.*

### Slides and Slide Talks

These materials are primarily geared for a physician-medical student audience. Where indicated, presentations are complete, free standing medical grand rounds-seminar presentation, with handout, citations and script. Converted to jpeg format and available on CD ROM.

Agricultural Lung Disease

**57 slides, no text**

David Schwartz, MD, MPH., University of Iowa

Americans with Disabilities Act (ADA)

**38 slides, no text**

Mark Upfal, MD, MPH, Wayne State University

*Useful to augment a talk on ADA. Slides illustrate in outline form some of the main areas of concern such as physical and mental impairments, what is not an impairment, limitations, reasonable accommodations, etc.*

Arsenic Toxicity

**47 slides, w/ATSDR document on subject.**

William B. Patterson, MD, MPH, New England Health Center, Wilmington, MA

*Presentation discusses the environmental & occupational aspects of exposure, the biological fate, and the health effects and treatment of acute and chronic poisoning. Also includes a clinical evaluation based on lab tests and biological monitoring.*

Asbestos and the Family Practitioner

**37 slides with slide descriptions**

Glenn Pransky, MD, MOH., Univ. of Massachusetts Medical Center.

*Basic introductory talk for primary care practitioners on health effects of asbestos, OSHA-required screening evaluations, and common questions which these practitioners face. Includes copy of handout, script, citations and references.*

Asbestos-Teaching Module

William Beckett, MD, The American College of Radiology

*Slides feature several pathology examples and 20 x-rays which illustrate various radiologic*

*examples of asbestos-induced diseases, including asbestosis, pleural effusion, plaques, mesothelioma, and lung cancer with detailed explanation of each entity.*

Asthma, Welding, Raynauds, Ozone & Metal Fume Fever

**14 slides, no text**

Ray Demers, MD, Wayne State University

*Several pictures and text slides on each topic.*

Basic Ergonomics

**8 slides and slide descriptions**

Glenn Pransky, MD, MOH., University of Massachusetts Medical Center

*Brief review of key concepts in ergonomics. Several references from medical literature included.*

Cancer-General Information

**13 slides and outline**

Ray Demers, MD, Wayne State University

*General information on work-related cancers, and screening for cancer in the workplace.*

Cancer & Pattern-Maker Study

**17 slides and outline**

Ray Demers, MD, Wayne State University

*Slides with outline, illustrating exposures and results of study on elevated risk of colon cancer in automobile pattern-makers. Slides include workplace photograph, outline and conclusions of study.*

Carcinogenesis

**21 slides, no text, 1997.**

Tee Guidotti, MD, MPH, University of Alberta, Canada

*Shows the characteristics of cancer, early and recent theories concerning cancer, steps in treating chemically and biologically, and dietary and genetic predisposing factors.*

Challenges in Medical Surveillance for Hazardous Waste Workers

**48 slides with script.**

Mark Upfal, MD, Wayne State University

*Comprehensive overview of scientific and practical issues encountered in conducting medical surveillance for hazardous waste workers. Includes handout, script and key citations.*

Childhood Lead Poisoning

**65 slides with a script.**

Ezatollah Keyvan, MD, Maryland Department of the Environment

*Overview of the issues of childhood lead poisoning, including causes, prevention, and treatment.*

Coal Mining

**7 slides (3 are underground work scene), no text**

Karen Mulloy, D.O., MSCH, Marshall University

*Excellent slides of typical coal mining work scenes.*

Computer Room Clean

**8 slides, no text.**

Stephen McCurdy, MD, MPH, University of California -Davis

*Misc. slides of computer work scenes.*

Cumulative Trauma Disorders & Ergonomics

**80 slides with script**

Glenn Pransky, MD, MOH., University of Massachusetts Medical Center

*Introductory talk for physicians and medical students with script, handout, and citations, addressing typical cumulative trauma disorders, causes, prevention, with focus on basic ergonomic approaches. Limited information on specific therapies.*

Current Issues in Air Quality

**15 slides, no text, 1997.**

Tee L. Guidotti, MD, MPH, University of Alberta, Canada

*Includes slides illustrating current health issues and characteristics relating to PM 2.5 and ozone.*

Cyanide Poisoning, Acute & Chronic

**27 slides and outline.**

Lorne Garretson, MD, Medical Toxicologist. Emory University.

*Includes slides listing symptoms, routes of exposure, sources of exposure, toxic effects and methods of diagnosis.*

Diisocyanate-induced Effects on the Respiratory System

**35 slides and accompanying article, 1999**

Julia Klees, MD, MPH and M. Gerald Ott, PhD, BASF Corporation.

*Slide presentation developed to accompany article from Occupational Medicine, State of the Art Reviews, Vol. 14, No. 4, October-December 1999. Philadelphia, Hanley & Belfus, Inc.*

Doc, I'm Exposed to Chemicals

**15 slides, an outline, and slide descriptions, 1999.**

Linda Frazier, MD, MPH, University of Kansas School of Medicine - Wichita

*This presentation was developed to assist clinicians to counsel individuals who are concerned about chemical exposures*

Electronics Equipment Assembly

**5 slides and slide descriptions**

Glenn Pransky, MD, MOH., University of Massachusetts Medical Center

*Five workplace slides illustrating typical electronics assembly operations.*

Endocrine Disruptors : A New Public Health Problem?

**48 slides with outline, text and bibliography, 1997.**

Gina M. Solomon, MD, MPH, Senior Scientist, Natural Resources Defense Council, San Francisco, CA.

*Recent scientific research indicates that some pesticides and industrial chemicals can interfere with normal hormonal functions in cell systems, lab animals, wildlife and some human sub-populations. Preliminary evidence suggests that endocrine disruption may be quite different from traditional toxicological effects. These differences from traditional toxicology may require new ways of testing and regulating chemicals.*

Environmental Health and Primary Care

**48 slides and outline with case study**

Rose Goldman, MD, MPH & Daniel Brooks, MPH, Cambridge Hospital

*Grand rounds medical seminar presentation including slides, outline, case study. Illustrates approach for primary care physician to environmental health problem of ground water contamination with gasoline by excellent combination of photographic and chart slides, interactive program encouraging audience participation.*

Epidemiology and Occupational Medicine

**19 slides with script**

Karen Mulloy, DO, MSCH, Marshall University

*Includes detailed script for grand rounds resident lecture. Good references and handout, excellent introduction to scientific issues, followed by case examples including lung cancer.*

Evaluation of the Worker with Suspected Occupational Lung Disease

**17 slides, no script, 1998.**

Tee Guidotti, MD, MPH, University of Alberta, Canada

*Shows the major types of occupational lung disease, and the medical approach and evaluation of the injured worker. It also looks at structure, function, causation, prognosis, treatment and prevention factors in occupational disease.*

Fine Particulates in Air Quality

**17 slides, no text, 1997.**

Tee Guidotti, MD, MPH, University of Alberta, Canada

*Describes air quality issues, the origins of concern, characteristics of PM25 and proposed particulate standards.*

Foundry Workplace Walk-through

**17 slides and slide descriptions**

Glenn Pransky, MD, MOH., University of Massachusetts Medical Center

*Illustration of workplace walk-through using schematic and workplace slides from foundry.*

Hazards in Auto Body Shops

**19 slides and script**

Glenn Pransky, MD, MOH., University of Massachusetts Medical Center

*Script accompanying workplace photographs; hazards discussed in more detail in " **Auto Body Repair: Recognizing and Controlling Health and Safety Hazards** " a training manual also available through the AOEC lending library.*

Health Care Products Manufacturing-Repetitive Trauma Disorders

**7 slides & script**

Glenn Pransky, MD, MOH., University of Massachusetts Medical Center

*Script, accompanying workplace photographs of manufacturing site where workers are at risk of several cumulative trauma disorders including carpal tunnel syndrome and lateral epicondylitis.*

Health Hazards of the Cloth Printing Industry

**19 slides and script.**

Glenn Pransky, MD, MOH. and Jay Himmelstein, MD, University of Massachusetts Medical Center

*Script, outline, with photographs of cloth printing, with some emphasis on risk of cloth printers for bladder cancer.*

Health Hazards of Electroplating

**47 slides and script**

Glenn Pransky, MD, MOH., University of Massachusetts Medical Center

*Outline with comprehensive review of hazards encountered in electroplating operations.*

*Discussed in more detail in "Metal Finishing: Recognizing and Controlling Health and Safety Hazards" a training manual also available through the AOEC lending library.*

Health Effects of Trichloroethylene and Tetrachloroethylene

**19 slides and outline**

Eddy Bresnitz, MD, MS., Medical College of Pennsylvania

*A talk to the Berks County Medical Society, Pennsylvania.*

Hospital Employee Health

**32 slides, no script**

William Patterson, MD, Boston University

*Slides review applicable OSHA standards to typical health care setting including lab safety, blood borne infectious diseases, right-to-know ethylene oxide, biological and physical health risk.*

Identifying Occupational and Environmental Disease

**44 slides and outline**

James Blessman, MD, MPH., Wayne State University

*A talk given to Illinois Dept. of Health, Belleville Hospital, Belleville, IL, October 1991.*

Immune Mechanisms in Occupational Medicine: Principles of Toxicology

**20 slides, no script**

Tee Guidotti, MD, MPH University of Alberta, Canada.

*Looks at the role of immune mechanisms, the essential principles and factors influencing the immune response and studies B cells, T cells and other killer cells and immunoglobulins.*

Indoor Air Pollution: Environmental Tobacco Smoke, Radon and Sick Buildings

**21 Slides and script**

Charles Sweet, MD., University of Massachusetts Medical Center  
*Outline with bibliography.*

Introduction to Occupational Medicine

**39 slides, no script, 1998,**

Tee Guidotti, MD, MPH, University of Alberta, Canada.

*Comprehensive study of the field , including a look at occupational disorders and injuries, including the psychological aspects, occupational hazards, and health and safety programs. The module also includes information regarding aspects of fitness-to-work evaluations, such as objectives, components, judgments and issues.*

Lead: Sources of Occupational Exposure, Clinical Toxicology & Control

**27 slides, no script, 1998.**

University of Alberta, Occ. Health Program

*Slides trace the history and sources of lead exposure, present and future, indicate the physical and neurological manifestations and management of toxicity, the toxicokinetics of lead.*

Men and Women Working

**20 slides from Earl Dotter**

Karen Mulloy, DO, MSCH, Marshall University

*Slides from Earl Dotter including typical work scenes from paper mill, farm related work, aerial spraying of pesticides, illustrating hazards and working conditions.*

Metal Fabrication and Welding

**15 slides with titles**

Glenn Pransky, MD, MOH., University of Massachusetts Medical Center

*Includes outline, workplace slides illustrating typical scenes in welding shops.*

Miscellaneous Workplace

**9 slides with titles**

Glenn Pransky, MD, MOH., University of Massachusetts Medical Center

*Typical scenes from biotechnology, semiconductor manufacturer, forging, machining, glass bottle manufacturing, auto body manufacturing and stone cutting.*

Multiple Chemical Sensitivity

**36 slides and outline with references and two case studies**

Howard Frumkin, MD, MPH., Emory University

*A grand rounds presentation to the Medical College, Univ. of South Carolina, Charleston, SC.*

Occupational Asthma

**44 slides, 1997**

Susan Righi, MD, MPH, Eastern New York Occupational Health Program

*Includes methods of diagnosis, causes, management, and prevention of occupational asthma.*

Occupational Back Pain: Common Management Issues

**27 slides and outline**

Linda Frazier, MD  
*Outline with references.*

Occupational and Environmental Medicine

**39 slides and outline**

Roy L. DeHart, MD, MPH

*An overview of the profession of Occupational and Environmental Medicine. Funded by a grant from ACOEM*

Occupational and Environmental Skin Disorders Among Migrant and Seasonal Farmworkers

**81 slides and outline**

Rosemary Sokas, MD, MPH; Daniel Hogan, MD, MPH; Jose Morales, MD, George Washington University

*Slides with script designed to teach the clinician to evaluate, treat, prevent, and palliate skin disease.*

Occupational Health, OSHA Standards

**20 slides**

William Patterson, MD, Boston University

*Slides without script of charts illustrating basic elements of general duty, right-to-know, record-keeping, respiratory protection standards.*

Occupational History and Primary Care

**11 slides, no text**

William Patterson, MD, Boston University

Occupational Lung Disease

**98 slides with storyboard**

Mark Upfal, MD, MPH, Wayne State University

*Grand rounds type talk with photographs, graphs, charts, handout, outline and script. No citations or references. Well organized talk covering all aspects of work-related lung disease.*

Occupational Medicine: 10 Leading Work-Related Diseases and Injuries (1982)

**12 slides, no script**

Karen Mulloy, DO, MSCH., Marshall University

*Slides illustrate priorities in NIOSH list.*

Occupational Medicine: An Introduction for Family Practitioners

**38 slides with script & student handouts.**

Karen Mulloy, DO, MSCH, Marshall University

*Excellent introductory talk, including script, handouts and citations.*

Occupational Medicine: An Introduction

**26 slides plus lecture with worksheet and pre & post test**

James Cone, MD and Robin Dewey, MPH.

*Introductory workshop including lecture outline, student worksheet, pre and post tests, suited to medical students, providing 1 to 2 hours of material covering a variety of topics.*

OSHA - Miscellaneous Slides

**11 slides and script**

Glenn Pransky, MD, MOH., University of Massachusetts Medical Center

*Includes script, very basic overview of several features of the occupational safety and health act.*

PCBs Toxicity

**38 slides and case study**

Richard Weinstein, MD

Pleural Abnormalities-Pipefitter and Boilermaker Study

**8 slides and outline**

Ray Demers, MD, Wayne State University

*Includes outline, workplace photographs.*

Pulmonary Asbestosis

**15 slides and outline.**

Ray Demers, MD, Wayne State University

*Includes outline, x-ray photographs.*

Radon Toxicity

**78 slides and monograph.**

Mark Upfal, MD

*Script, monograph, covers exposures, associated illness, and remediation methods; excellent grand rounds or medical seminar presentation.*

Reproductive Hazards: Grand Rounds

**29 slides with outline**

Laura Welch, MD, George Washington University

*Grand rounds presentation with outline, addressing several aspects of reproductive hazards in the workplace.*

Taking an Exposure History for Nurses

**25 slides.**

Gail Buckler, RN, COHN. EOHSI. Slides from presentation made to NSNA Spring 1996.

*Text slides with common exposures, routes of exposure, and examples of common questions to be included in history. For use by those familiar with teaching exposure histories.*

To Eliminate Silicosis, What One Country Has Done and Will Do

**15 slides, no text, 1997.**

University of Alberta, Canada, Occupational Health Program

*Slides illustrate reasons for concern over silicosis, the establishment of the Alberta Fibrosis*

*Program, its history accomplishments and demise, and Canada's current approach to combating silicosis.*

Trench and Excavation Cave-In

**24 slides with outline, 1997.**

Anthony Suruda, MD, MPH. University of Utah

*Identifies the principal safety hazard in trenches and excavations. Describes methods of preventing injury.*

Trichloroethylene Toxicity

**10 slides with ATSDR document on the subject.**

William Patterson, MD, MPH, New England Health Center, Wilmington, MA

*Gives the physical properties, possible consumer products, occupational exposures, the health effects, and the standards and regulations for this chemical.*

Vibration/VWF

**9 slides, no text**

Ray Demers, MD, Wayne State University

Work Scenes-Miscellaneous

**96 slides, no text**

Ray Demers, MD, Wayne State University

*Illustrates a wide variety of workplaces in manufacturing, technology and construction industries.*