

## **CURRICULUM VITAE**

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### **EDUCATION**

1965 Central High School (Philadelphia, PA); B.A.

1968 Muhlenberg College (Allentown, PA); B.S., Natural Sciences

1972 University of Pennsylvania (Philadelphia, PA); M.D.

1980 Johns Hopkins University (Baltimore, MD); M.P.H.

### **LICENSURE**

1976-81 Medical License, State of Maryland

1980-81 Medical License, State of Ohio

1981-present Medical License, State of California

2012-present Medical License, State of Arizona

### **POST-GRADUATE TRAINING**

1972-73 Internship, Rhode Island Hospital/Brown University (R-1 Medical)

1973-74 Anesthesia/Critical Care Residency, Hospital of the University of Pennsylvania

1974-75 Radiation Oncology Residency, Thomas Jefferson University Hospital

1977-78 Internal Medicine Residency, Washington Veterans Hospital/Georgetown University

1978-80 Fellowships in Pulmonary Diseases and Occupational Medicine, Johns Hopkins University

1980-81 Supervised Practice Year (Occupational Medicine), University of Cincinnati

### **CERTIFICATIONS**

1973 Diplomat of the National Board of Medical Examiners

1979 Board Certified, Internal Medicine

1980 Board Certified, Pulmonary Diseases

1980 Board Certified, Occupational Medicine: Core Preventive Medicine

1981 Board Certified, Occupational Medicine

1982-90	Independent Medical Examiner, California WCAB
1982-86	Certified "B Reader", National Institute of Occupational Safety and Health
1987-91	Re-certified "B Reader", National Institute of Occupational Safety and Health
1992-96	Re-certified "B Reader", National Institute of Occupational Safety and Health
1997-01	Re-certified "B Reader", National Institute of Occupational Safety and Health
1991	Qualified Medical Examiner, California IMC

## **PROFESSIONAL POSITIONS**

1972-73	Intern, R-1 Internal Medicine, Rhode Island Hospital/Brown University
1973-74	Resident, Anesthesia/Critical Care, Hospital of the University of Pennsylvania
1974-75	Resident, Radiation Oncology, Thomas Jefferson University Hospital
1975-77	Director, Health Services, Ft. Detrick, MD and Assistant Chief, Medical Division, U.S.Army Medical Research Institute of Infectious Diseases
1977-78	Resident, Internal Medicine, Washington, D.C. Veterans Administration Hospital/Georgetown University Program
1978-80	Fellowships in Pulmonary Diseases and Occupational Medicine, Johns Hopkins Hospital and School of Hygiene and Public Health
1980-81	Assistant Professor of Medicine and Assistant Professor of Environmental Health, College of Medicine, University of Cincinnati
1981-91	Chief, Occupational Medicine Branch, University of California, Los Angeles
1981-88	Assistant Professor of Medicine
1987-91	Director, UCLA Occupational Health Clinical Center
1988-94	Associate Professor of Medicine, UCLA
1990-99	Director, Occupational and Environmental Medicine Program, UCLA
1994-99	Professor of Medicine, UCLA
1998- 99	Designate Director, USC/UCLA Occupational Medicine Residency Program
1999-2011	Professor of Family Medicine, UCLA
1999-2011	Chief, Division of Occupational and Environmental Medicine
1999-2010	Director, UCLA Occupational Medicine Residency Program
2003-2005	Vice Chair- Academic Affairs
2004-2009	Olive View-UCLA Medical Center – ambulatory care/community medicine.
2005-2011	West Los Angeles Veterans Administration Medical Center- Research Division and Pulmonary Services
2011-present	Professor Emeritus, UCLA
2011-present	Principal, Dr Philip Harber, PLLC
2011-present	Professor of Public Health, Mel and Enid Zuckerman College of Public Health, University of Arizona
2015-2017	Director, International Collaborative Occupational Medicine Program (UA)
2016-present	Scientist, Arizona Respiratory Center/Asthma and Airway Disease Research Center
2016-2017	Interim Medical Dir.-Occupational Health University of Arizona
2017-present	Medical Dir.-Occupational Health University of Arizona
2017-present	Director, Occupational Health Office, University of Arizona

## **HONORS**

1968	Phi Beta Kappa, Muhlenberg College
1968	Bernheim Award, Muhlenberg College
1971	Alpha Omega Alpha, University of Pennsylvania
1972	Mosby Book Award, University of Pennsylvania

1982	Fellow, American College of Chest Physicians
1988	Fellow, American College of Occupational Medicine
1994	Felton Award for Scientific Writing, Western Occupational and Environmental Medical Association
1995	Merit in Authorship Award, American College of Occupational and Environmental Medicine
	1995 Hamilton Award, New England Occupational Medical Association
2003	Rutherford Johnstone Award- Western Occupational & Environmental Medical Association
2007	Richards Distinguished Visiting Lectureship, University of Utah
2009	Kehoe Award, American College of Occupational & Environmental Medicine
2010	Environmental Justice Achievement Award, Environmental Protection Agency
2009	Rammazini Society (elected member)
2004-2019	Top Doctor- America's Best, Newsday/CastleConnelly (Annually)
2004-2019	Top Doctor, Newsday/CastleConnelly Regional level (CA, later AZ) (Annually)
2018	American Thoracic Society Fellow

## **MEMBERSHIPS**

American Thoracic Society (ATS)

American College of Occupational and Environmental Medicine (Fellow) (ACOEM)

Western Occupational and Environmental Medicine Association (WOEMA)

## **PROFESSIONAL ACTIVITIES**

### **Government Service**

1984-85	Division of Industrial Accidents (California), Physicians Program Committee-Toxicology
1985-86	California Department of Occupational Safety and Health (DOSH, Cal-OSHA) Respirator Advisory Committee
1987-90	Technical Chair, Pulmonary Disability Committee, Division of Industrial Accidents
1987-90	California Division of Industrial Accidents, Heart-Lung Disease Committee
1989	Task Force on Occupational/Environmental Asthma, EPA/Agency for Toxic Substances
1990-91	Member, Malathion Public Health Effects Advisory Committee, California Department of Health Services
1991	Grant Reviewer, ad hoc, NIH
1991-92	California Department of Justice, Medical Advisory Panel, Commission on Peace Officer Standards and Training
1991-93	Occupational Medicine Committee, Division of Industrial Relations, Industrial Medical Council: Internal Medicine Committee, (advises and establishes policies regarding worker's compensation)
1991-95	Cal-OSHA Advisory Committee (Advises Division of Occupational Safety and Health and Standards Boards on programmatic responsibilities)
1991-92	Healthy Los Angeles 2000 Objective Refining Team, Los Angeles County Department of Health Services
1992	Non-pneumoconiotic lung function effects of coal mining (invited participant). National Institute for Occupational Safety and Health
1993	Occupational Asthma Workshop (invited participant). National Institute for Occupational Safety and Health
1993	Deposition Studies Program (reviewer). NIOSH/ALOSH
1993	Study Section (special panel member). SOH, National Institutes of Health.
1995	Surveillance Advisory Committee, Department of Energy
1996	Industrial Medical Council (CA)- Evidence Panel- Low Back Pain Treatment

1999	Chair, Belmont Commission Public Health Subcommittee, Los Angeles Unified School District Board Of Education
1999-00	Environmental Health Advisory Committee, Los Angeles Unified School District
2000	Special Grants Review Panel- NIOSH
2001	Special Grants Review Panel- Agricultural Research- NIOSH
2001-2	Respiratory Questionnaire Committee (NIOSH)
2002	Site Visit Team, Education & Research Center CDC/NIOSH)
2002-03	Grant Reviewer, Hong Kong Research Commission
2002-2006	CDC Study Section (IRG)-Safety & Occupational Health (SOH) ( <u>Chair</u> - 2004-2006)
2004	Grant Review Panel (SEP) Centers For Disease Control and Prevention (CDC), member
2005-10	Beryllium Worker Repository Program, Steering Committee, Dept. of Energy
2005-8	Work Exacerbated Asthma Committee, NIOSH/CDC
2005-6	Reviewer, Agency for Toxic Substances and Disease Registry
2006, 2007,2008	NIOSH Director's Award Committee, Chair
2006	NIOSH SEP Review (Mesothelioma Virtual Registry), Chair.
2006	NIOSH SEP Review (World Trade Center Clinical Treatment Program), Chair.
2007- 2011	Clean Air Action Plan Advisory Committee, Ports of LA and Long Beach (mayoral appt).
2006-8	Institute of Medicine (IOM): Committee on Gulf war and Health: Depleted Uranium Update.
2007	CDC: Public Health Practice through Translation Research, secondary review panel
2007-2011	Clean Air Action Plan Advisory Committee, Ports of LA and Long Beach (mayoral appt).
2009	NIOSH SEP Review Committee (Chair)
2010	HRSA Preventive Medicine Grant Review Committee
2010	NIOSH SEP Review Committee (Chair)
2011	NIOSH SEP Review Committees (3); chair of one
2011	NIOSH/CDC Mesothelioma Repository Grant Review Comm. (chair)
2011	NIOSH/CDC Review Panel, World Trade Center Treatment Program
2011	NIOSH/ NPPTL Program reviewer
2012- 2013	Institute of Medicine (IOM): Committee on DOL Site Exposure Matrix
2012	NIOSH/ NPPTL Program reviewer
2012	NIOSH/ DRDS Project reviewer
2013	NIOSH/ NORA Program reviewer
2013	HRSA Preventive Medicine and Public Health Training Grant Program Application Review
2013	CDC/NIOSH SEP Review Comm (member)
2013	CDC/NIOSH construction industry research/training proposal review (Chair)
2014-15	American Thoracic Society/NIOSH Work-Asthma Domain Expert Committee (for clinical decision support systems in electronic health records) (chair)
2014	FDA/NIOSH Respirator Summit (invited participant)
2014	Institute of Medicine-Workshop, Powered Air Purifying Respirator (invited participant)
2015	NIEHS. GeoHealth Grant Review Committee
2015	CDC/NIOSH SEP Review Comm (member)
2016	CDC/NIOSH World Trade Center Grants Review Committee (Chair)
2016	CDC/NIOSH Education and Research Center Grants Review Committee (Chair)
2016	CDC/NIOSH Mesothelioma Virtual Registry Grants Review Committee (Member)
2017	CDC/NIOSH SEP Review Comm (member)
2018	CDC/NIOSH World Trade Center Research Review (chair)
2018	CDC/NIOSH Study Section (IRG)

## **American College of Occupational-Environmental Medicine (ACOEM)**

1986-88	Occupational Lung Diseases Committee, Chair
1987-88	Council on Scientific Affairs, Vice-Chair
1989-91	Council on Scientific Affairs, Chair
1986-91	Council on Scientific Affairs, Member
1990-91	Vice Chair, Ergonomics Committee
1990-91	Member, Environmental Health Steering Committee
1992-93	Delegate, House of Delegates
1995	Scientific Program Chair, American Occupational Health Conference
1993-98	Council on Scientific Affairs, Member
1993-98	Medical Surveillance Committee, Chair
1996-98	Workers Compensation Committee, Member
1995-00	Practice Guidelines Committee, Member
1998-00	Medical Surveillance Committee, Member
1999-00	Council on Special Occupational Health Interests, Vice Chair
2000-02	Research committee, Chair
2000-01	Council on Special Occupational Health Interests, Chair
1983-present	Occupational Lung Diseases Committee, Member
2001-02	Council on Education, Associate Chair
2002-03	Associate Chair, Council on Scientific Affairs
1999-02	Board of Directors
2002-05	Board of Directors
2002-10	Residency Program Directors Committee
2002-04	Pfizer/ACOEM Grants for innovation research, committee member
2003-05	Committee on Practice Guidelines, Advisor 2003-2005
2003-04	Chair, Council on Scientific Affairs
2004-5	Council on Academics, Vice-Chair
2005-2016	Committee on Practice Guidelines, Respiratory Subcommittee (chair)
2005-6	AOHC Program Committee
2005- present	MOC Part 4 Task Force Member
2005-present	Evidence Based Practice Committee
2005- 2008	OEM Training Task Force Member
2004-2006	Committee on Quality Occupational Health Management Systems
2006- present	Committee on Occupational Medicine Competencies (member)
2008-present	Council of Scientific Advisors
2011-2012	AOHC Program Committee
2012-2015	Footprint of Occupational Medicine Comm (Chair)
2017-present	Committee on Educational and Research Institution Occupational Medicine (Chair)

### **Western Occupational and Environmental Medical Association (WOEMA)**

1984-86	Alternate Delegate representing WOMA to AOMA
1985-87	Secretary
1985-93	Board of Directors
1986-87	Program Chair, Western Occupational Health Conference
1988-89	Second Vice-President
1989-90	First Vice-President
1990-91	President-Elect
1990-91	Chair, Long Range Planning Committee
1990-91	Program Co-Chair
1991-92	<u>President</u>

1992-93 Chairman of the Board  
2014-15 Program Committee

### **American College of Chest Physicians (ACCP)**

1987-92 Steering Committee, Occupational/Environmental Section  
1987 Abstract Grading Committee  
1990 Abstract Grading Committee  
1989-91 Chair, Section on Occupational and Environmental Lung Disease  
1990-91 Planning Committee, Fourth International Conference on Occupational and Environmental Lung Disease  
1991 Abstract Grading Committee  
1992-95 Co-Chair, 5th International Conference on Occupational & Environmental Lung Disease  
2005-07 Member, Comm on Occupational Asthma Guidelines

### **American Thoracic Society (ATS)**

1982-83 Nominating Committee, Assembly on Environmental and Occupational Health  
1991-92 Asthma Impairment Committee, Vice Chair  
1992-96 Respiratory Protection Committee, Chair  
1998-01 Asthma at Work and Play Committee, Member  
2002-05 Nonmalignant Disease Due To Asbestos, Member  
2005-11 Work Exacerbated Asthma Committee  
2006-10 Webmaster, Environmental and Occupational Health  
2007-10 Environmental and occupational health assembly planning committee  
2008-12 Respiratory Impairment and Disability Comm, Chair  
2008-12 Respiratory Protection Comm, member  
2006-13 EOH Executive Committee  
2011-13 Program Committee (EOH); chair-elect/ chair  
2011-13 International Conference Comm.  
2014-17 ATS-CDC Electronic Health Record CDS Committee (Chair)  
2016-18 Publications Policy Committee (Member)

### **American Lung Association of Los Angeles**

1982-83 Program Committee Member  
1981-85 Occupational Health Comm (Chair of Professional Educational Subcommittee), Member  
1985-87 Environmental/Occupational Health Committee, Vice Chair

### **Other Professional Service**

1986-88 Regional Editor, American Occupational Medicine Association Newsletter  
1987-89 Consultant, Department of Public Health, American Medical Association 1987 Hazardous Waste Worker Training Center Medical Committee  
1988-93 American National Standards Institute Respiratory Protection Committee ANSI Z88 (voting member)  
1988-91 Occupational Lung Disease Committee, California Thoracic Society  
1988-92 Respiratory Protection Committee, Z88.8 American National Standards Institute (ANSI), Full Suit  
1988-present Grant Reviewer, Arizona Disease Control Research Commission  
1989-91 ANSI Interdisciplinary Respiratory Surveillance Committee  
1990-92 Scientific Advisory Panel on Occupational Medicine, California Medical Association, member  
1991-97 American Trucking Association (ATA), Medical Advisory Board

1991-92 Southern California Organizing Committee for Occupational Medicine (Co-chair)  
 1992 Task Force - Occupational Health Objectives for Year 2000, Los Angeles County Department of Health Services  
 1992-93 Task Force, Workers Compensation Reform, Los Angeles County Medical Association  
 1996 Rand Corporation/CA Industrial Medical Council- Permanent Disability Study Advisory Committee  
 1997-2003 Consultant, Scientific Advisory Group, International Carbon Black Association  
 2000-2010 Arizona Disease Research Commission, Grant reviewer  
 2000 Committee On Regulating Occupational Exposure to Tuberculosis, Institute of Medicine (IOM), (Consultant)  
 2001-05 Scientific Advisory Panel on Occupational Medicine, California Medical Association, member  
 2001-04; 04-07 Residency Review Committee (Preventive Medicine), Accreditation Council on Graduate Medical Education (ACGME) Vice Chair, 2004-7  
 2004-8 Institute of Medicine (IOM) Committee on Gulf War and Health- Depleted Uranium.  
 2009-present External Advisory Committee, Western Center for Agricultural Health and Safety  
 2011-2012 ACGME Preventive Medicine Milestones Comm.  
 2011-2013 Institute of Medicine Committee on DOE Site Exposure Matrix  
 2014,2015, 2016, 2017, 2018 WorkSafe, British Columbia- Grant review,  
 2014-2017 Grant Review, Western Center for Agricultural Health and Safety  
 2014,2015, 2016 Mountains and Plains Education and Research Center-Grant Reviewer  
 2017 Ontario Ministry of Labor- Research Grant Reviewer  
 2018, 2019 Worksafe reviewer, British Columbia  
 2018 Imam Abdulrahman Bin Faisal University (U of Dammam). Health & Safety reviewer.

#### **University (UCLA, University of Arizona)**

1981-87 Southern Occupational Health Center, member  
 1984-92 Committee on Interdisciplinary Practice, UCLA  
 1988- 2011 UCLA Center for Occupational and Environmental Health  
 1988-92 Faculty Member, USC/UCLA Occupational Medicine Residency  
 1989-92 Residency Advisory Committee, USC  
 1989-92 Campus Community Committee (Academic Senate, UCLA)  
 1991 Respiratory Therapy Committee  
 1997-98 Fogarty International Training Program participant  
 1998-99 Director, International Occupational Medicine  
 1999-2010 Residency Advisory Committee- Occupational Medicine UCLA  
 2000- 2003 Committee on Committees, UCLA Academic Senate  
 2000-03 University Extension Committee, UCLA Academic Senate, Chair, 2002-3; Member, 2000-03, 2004-5  
 2002- 2004 Residency Advisory Committee- General Preventive Medicine UCLA  
 2002-2006 Committee On Academic Personnel (CAP)-Dept Of Family Medicine; Chair 2003-5  
 2004 Preventive Medicine Faculty Search Committee  
 2006-8 Committee on Faculty Welfare, Academic Senate  
 2006-2008 Fogarty International Training Program- Ergonomics leader  
 2007-2011 Interdisciplinary Molecular Toxicology Program, member  
 2007-2010 Industrial Hygiene Faculty/ ERC Director Search Committee  
 2014-present University Occupational Medicine/Surveillance Committee (Chair)  
 2017-present Animal Health Policy Committee (Member)

#### **RESEARCH PAPERS (Peer-reviewed)**

1. Hudson HE, Harber P, Smith TC. Respiratory depression from alkalosis and opioid interaction in man. *Anesthesiology* 40:543-52, 1974.
2. Oster CN, Burke DS, Kenyon RH, Ascher MS, Harber P, Pedersen CE Jr. Laboratory-acquired Rocky Mountain Spotted Fever. The hazard of aerosol transmission. *N Engl J Med* 297:859-63, 1977.
3. Yamada T, Harber P, Pettit GW, Wing DA, Oster CN. Activation of the kallikrein-kinin system in Rocky Mountain Spotted Fever. *Ann Int Med* 88:764-8, 1978.
4. Ascher MS, Oster CN, Harber P, Kenyon RH, Pedersen CE Jr. Initial clinical evaluation of new Rocky Mountain Spotted Fever vaccine of tissue culture origin. *J Inf Dis* 138:217-21, 1978.
5. Harber P, Terry PB. Fatal lung abscesses: review of 11 years' experience. *Southern Med J* 74: 81-3, 1981.
6. Harber P. Prevention and control of occupational lung disease. *Clin Chest Med (Occupational Lung Diseases II)* 2:343-55, 1981.
7. Harber P, Tamimie RJ, Bhattacharya A, Barber M. Physiologic effects of respirator dead space and resistance loading. *J Occup Med* 24:681-4, 1982.
8. Harber P, Tockman M. Defining "disease" in epidemiologic studies of pulmonary function: percent of predicted or difference from predicted? *Bull Europ Physiopath Resp* 18:819-28, 1982.
9. Harber P. Physiologic effects of respirator during exercise. *Internal Med News* (15)11:4, 1982.
10. Parker RD, Harber P, Kessler LG. Evaluation of screening effectiveness. *J Med Syst* 7:11-24, 1983.
11. Harber P, Schnur R, Emory J, Brooks S, Ploy-Song-Sang Y. Statistical "biases" in respiratory disability determinations. *Am Rev Resp Dis* 128:413-8, 1983.
12. Harber P, Tamimie J, Emory J. Estimation of the exertion requirements of coal mining work. *Chest* 85:226-31, 1984.
13. Harber P. Medical evaluation for respirator use. *J Occup Med* 26:496-502, 1984.
14. Harber P, Tamimie J, Emory J, Bhattacharya A, Barber M. Effects of exercise using industrial respirators. *Am Ind Hyg Assoc J* 45:603-9, 1984.
15. Harber P, Billet E, Gutowski M, SooHoo K, Lew M, Roman A. Occupational low-back pain in hospital nurses. *J Occup Med* 27:518-24, 1985.
16. Harber P, Billet E, Gutowski M, SooHoo K, Lew M, Roman A. Occupational low-back pain in hospital nurses. *J Occup Med* 27:518-24, 1985.
17. Harber P, SooHoo K, Tashkin DP. Is the MVV:FEV1 ratio useful for assessing spirometry validity? *Chest* 88:52-7, 1985.
18. Harber P, Rappaport S. Clinical decision analysis in occupational medicine: choosing the optimal FEV1 criterion for diagnosing occupational asthma. *J Occup Med* 27:651-8, 1985.
19. Harber P. Value based interpretation of pulmonary function tests. *Chest* 88:874-7, 1985.
20. Harber P, Rothenberg LS. Controversial aspects of respiratory disability determination. *Sem Resp Med* 7:257-69, 1986.
21. Harber P, Oren A, Mohsenifar Z, Lew M. Obstructive airway disease as a risk factor for asbestos-associated malignancy. *J Occup Med* 28:82-6, 1986.
22. Harber P. Alternative partial respiratory disability rating schemes. *Am Rev Respir Dis* 134:481-7, 1986.
23. Vojtecky MA, Harber P, Sayre JW, Billet E, Shimozaki S. The use of assistance while lifting *J Safety Research* 18:49-56, 1987.
24. Harber P, Mohsenifar Z, Oren A, Lew M. Pleural plaques and asbestos-associated malignancy. *J Occup Med* 29:641-4, 1987.
25. Harber P, Tashkin DP, Lew M, Simmons M. Physiologic characterization of asbestos-exposed workers. *Chest* 92:494-9, 1987.



26. Harber P, Lew M, Tashkin DP, Simmons M. Factor analysis of clinical data from asbestos workers: implications for diagnosis and screening. *Br J Ind Med* 44:780-4, 1987.
27. Harber P, Billet E, Lew M, Horan M. Importance of non-patient transfer activities in nursing-related back pain: I. Questionnaire survey. *J Occup Med* 29:967-70, 1987.
28. Harber P, Shimozaki S, Gardner G, Billet E, Vojtecky M, Kanim L. Importance of non-patient transfer activities in nursing-related back pain: II. Observational study and implications. *J Occup Med* 29:971-4, 1987.
29. Harber P, Shimozaki S, Barrett T, Fine G. Determinants of pattern of breathing during respirator use. *Am J Ind Med* 13:253-62, 1988.
30. Harber P, SooHoo K, Lew M. Effects of industrial respirators on respiratory timing and psycho-physiologic load sensitivity. *J Occup Med* 30:256-62, 1988.
31. Harber P, Tashkin DP, Shimozaki S, Hathaway E. Veracity of disability claimants' self-reports of current smoking status: comparison of carboxyhemoglobin levels from disability claimant and reference population. *Chest* 93:561-4, 1988.
32. Shimozaki S, Harber P, Barrett T, Loisesides P. Subjective tolerance of respirator loads and its relationship to physiological effects. *Am Ind Hyg Assoc J* 49:108-16, 1988.
33. Harber P. The evaluation of pulmonary fitness and risk. *Occup Med: State Art Rev* 3:285-98, 1988.
34. Abrons HL, Petersen MR, Sanderson WT, Engelberg AL, Harber P. Symptoms, ventilatory function, and environmental exposures in Portland cement workers (published erratum appears in *Br J Ind Med* 45:368-75, 1988).
35. Harber P, Billet E, Shimozaki S, Vojtecky M. Occupational back pain of nurses: special problems and prevention. *Appl Ergonomics* 19:219-24, 1988.
36. Harber P, Billet E, Vojtecky M, Rosenthal E., Shimozaki S, Horan M. Nurses' beliefs about cause and prevention of occupational back pain. *J Occup Med* 30:797-800, 1988.
37. Lockey JE, Schenker MB, Howden DG, Desmeules MJ, Saracci R, Harber P. Current issues in occupational lung disease. *Am Rev Respir Dis* 138:1047-50, 1988.
38. Auerbach DM, Harber P. Diagnostic approach to acquired immunodeficient patients with pulmonary symptoms: a decision analytic strategy. *Sem Resp Med* 10:252-7, 1989.
39. Harber P, Shimozaki S, Barrett T, Loisesides P, Fine G. Effects of respirator dead space, inspiratory resistance, and expiratory resistance ventilatory loads. *Am J Ind Med* 16:189-98, 1989.
40. Harber P, McCoy JM. Predicate calculus, artificial intelligence, and workers' compensation. *J Occup Med* 31:484-9, 1989.
41. Harber P, Shimozaki S, Barrett T, Loisesides P. Relationship of subjective tolerance of respirator loads to physiologic effects and psychophysical load sensitivity. *J Occup Med* 31:681-6, 1989.
42. Harber P, Lew M, Shimozaki S, Thomas B. Noninvasive measurement of respirator effect at rest and during exercise. *Am Ind Hyg Assoc J* 50:428-33, 1989.
43. Harber P, Shimozaki S, Barrett T, Fine G. Effect of exercise level on ventilatory adaptation to respirator use. *J Occup Med* 32:1042-6, 1990.
44. Harber P. Assessing disability from occupational asthma -- a perspective on the AMA guides. *Chest* 98(suppl):232S-5S, 1990.
45. Harber P, McCoy JM, Shimozaki S, Coffman P, Bailey K. The structure of expert diagnostic knowledge in occupational medicine. *Am J Ind Med* 19:109-20, 1991.
46. Harber P, Lockey J. Pulmonary function testing in pulmonary prevention. *Occup Med: State Art Rev* 6:69-80, 1991.
47. Harber P. Pulmonary prevention: programmatic characterization. *Occup Med: State Art Rev* 6:133-43, 1991.

48. Harber P, Hsu P. Program optimization: a semi-quantitative approach. *Occup Med: State Art Rev* 6:145-51, 1991.
49. Harber P, Brown C, Beck J. Respirator physiology research: answers in search of the question. *J Occup Med* 33:38-44, 1991.
50. Harber P, Smitherman J. Asbestosis: diagnostic dilution. *J Occup Med* 33:786-93, 1991.
51. Harber P, McCoy JM, Howard K, Greer D, Luo J. Artificial intelligence assisted occupational lung disease diagnosis. *Chest* 100:340-6, 1991.
52. Harber P, Beck J, Brown C, Luo J. Physiologic and subjective effects of respirator mask type. *Am Ind Hyg Assoc J* 52:357-62, 1991.
53. Harber P, Luo J, Beck J, Lee J. Relative effects of flow-resistive and pressure biased respiratory loading. *J Occup Med* 33:1055-9, 1991.
54. Harber P, Miller G, Smitherman J. Work coding: beyond SIC and SOC, BOC and DOT. *J Occup Med* 33:1274-80, 1991.
55. Smitherman J, Harber P. A case of mistaken identity: herbal medicine as a cause of lead toxicity. *Am J Ind Med* 20:795-8, 1991.
56. Harber P. Assessing occupational disability from asthma. *J Occup Med* 34:120-8, 1992.
57. Harber P, Peña L, Bland G, Beck J. Upper extremity symptoms in supermarket workers. *Am J Ind Med* 22:873-84, 1992.
58. Harber P. Respiratory disability: the uncoupling of oxygen consumption and disability. *Clin Chest Med (Occupational Lung Diseases)* 13:367-76, 1992
59. PHarber P, Bloswick D, Peña L, Beck J, Lee J, Baker D. The ergonomic challenge of repetitive motion with varying ergonomic stresses: characterizing supermarket checking work. *J Occup Med* 34:518-28, 1992.
60. Harber P, Fedoruk MJ, Goldberg RL. Accommodating respiratory handicap. *Sem Respir Med* 14:240-9, 1993.
61. Harber P, Bloswick D, Luo J, Beck J, Greer D, Peña L. Work related symptoms and check stand configuration: an experimental study. *Am Ind Hyg Assoc J* 54:371-5, 1993.
62. Harber P, Bloswick D, Beck J, Peña L, Baker D, Lee J. Supermarket checker motions and cumulative trauma risk. *J Occup Med* 35:805-11, 1993.
63. Harber P, Hsu P, Fedoruk J. Personal risk assessment under the Americans with Disabilities Act: a decision analysis approach. *J Occup Med* 35:1000-1010, 1993.
64. Chan-Yeung M, Harber P, Bailey W, Balmes J, Barnhart S, Hargreave FE, Malo J, Reed C, Richerson H. Guidelines for the evaluation of impairment/disability in patients with asthma. *Am Rev Respir Dis* 147:1056-61, 1993.
65. Harber P, Hsu P, Peña L. Subject based rating of hand-wrist stressors. *J Occup Med* 36:84-9, 1994.
66. Harber P, Peña L, Hsu P, Billet E, Greer D, Kim K. Personal history, training and worksite as predictors of back pain of nurses. *Am J Ind Med* 25:519-526, 1994.
67. Harber P, Levin M, Lew-Weinberg J, Oversier J. The industrial hygienist as a clinical consultant. *Am J Ind Med* 26:339-347, 1994.
68. Harber P, Scanlon P, do Pico G, Garshick E. Role of chest physicians in detection and treatment of occupational and environmental respiratory disease-- a practice survey. *Chest* 107:1156-61, 1995.
69. Harber P, Czisny K, Hsu P, Rodriguez E, Leaf D, Beck J. An expert system based preventive medicine examination adviser. *J Occup Env Med* 37:563-70, 1995.
70. Gong H, Lachenbruch E, Harber P, Linn W. Comparative short-term health responses to sulfur dioxide exposure and other common stresses in a panel of asthmatics. *Tox and Indust Health* 11:467-487, 1995.
71. Harber P, Hsu P, Chen W. An atomic approach to disability assessment. *J Occup Env Med* 38:359-366, 1996.

72. Harber P, Shusterman D. Medical causation analysis heuristics. *J Occup Env Med* 38: 577-586, 1996.
73. King C; Harber P. Community environmental health concerns and the nursing process. Four environmental health nursing care plans. *AAOHN Journal*, 1998 Jan, 46(1): 20-7.
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## **ABSTRACTS**

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352. Al-Otaibi S, Alfulayw K, Harber P, Abugad H. Factors associated with sharp device injuries in dammam healthcare workers: implications for prevention. Occup Environ Med 2018;75:A20

## **ABSTRACT (Accepted, In Press)**

## **CONTRACTS AND GRANTS**

### **Past Grants- Principal Investigator:**

1. Problems in the Design and Evaluation of Compensation Systems for Occupationally Related Respiratory Disability, Urban Institute. 1979
2. Morbidity Study of the Cement Industry, National Institute for Occupational Safety and Health. 1980-81
3. Determination of Exertion Requirements of Coal Mining, non-governmental funding sources. 1981
4. Physiologic Effects of Respirators, American Lung Association of California. 1982-83
5. Secondary Prevention of Occupational Back Pain, California Medical Education and Research Foundation. 1982-83



6. Determinants of Cancer Development in Asbestos Workers: A Case-Control Study, Cancer Research Coordinating Committee (University of California). 1983-84
7. Respirator Tolerance (R01), NIH/National Institute for Occupational Safety and Health/CDC. 1984-87
8. Decision Analysis in Occupational Medicine, UCLA Academic Senate. 1984-85
9. Decision Analysis in Pulmonary Medicine (training grant for post-doctoral fellow), California Lung Association.
10. Pilot Study of Lifting Activity by Nurses. (Contract). National Institute for Occupational Safety and Health. 1985-86
11. Investigation of Asthmatics to Investigate Occupational Causes, California Department of Health Services. 1986-87
12. Artificial Intelligence Occupational History System (R01), NIH/National Institute for Occupational Safety and Health/CDC. 1987-89
13. Hazards of Jewelry Industry, California Department of Health Services. 1987
14. Occupational Rheumatology, Multipurpose Arthritis Center, NIH/NIAID. 1987-90
15. Respirator Tolerance (R01), NIH/CDC/National Institute for Occupational Safety and Health. 1987-91
16. Comprehensive Occupational Medical Provider System, University of California. 1990-91
17. Prospective Study of Nurses' Back Pain, NIH. 1990-92
18. Railroad Workers Injury Patterns, Union Pacific Railroad. 1992-94
19. Projected Disease Burden Models, Stch/Angel. 1993-98
20. Pulmonary Effect of Diatomaceous Earth, Manville Corporation/United Chemical Workers. 1995-7
21. Disability Systems, Dept of Labor Railroad Retirement Board/Med Tox/Association of American Railroads. 1993
22. Railroad Job Demands, Med Tox/Association of American Railroads. 1993-95
23. Medical Causation, California Division of Industrial Relations/Industrial Medical Council. 1993-94
24. Symptom Prevalence - Barstow Community, SRF. 1993-94
25. Del-Amo/Montrose Health Activities Recommendation Panel Site Specific Health Activities/University of California, Los Angeles Component, Agency for Toxic Substances and Disease Registry. 1994-97
26. Occupational Respiratory Disease Evaluation and Rehabilitation System, NIOSH/CDC. 1995-00
27. Spinal Manipulation versus Mobilization for Neck Pain. Health Resources and Services Administration, PHS. 1997-00
28. Beryllium Clinical Evaluations. Oak Ridge Associated Universities (agent for Department of Energy). 1998-99
29. Beryllium Exposure Surveillance System. Oak Ridge Associated Universities (agent for Department of Energy). 1999-02
30. Distributed Occupational Knowledge System, National Cancer Institute (RO1). 1999-02
31. Causation Model. The Workers Compensation Board of Alberta, Canada. 1998-00
32. Investigation of Occupational Asthma, Fiberglass Facility, Owens Corning Corp. 1998-01
33. Spinal Manipulation Vs. Mobilization for Neck Pain. Health Resources and Services Administration. (PI for UCLA Component; Primary grant to Southern California University of Health Sciences) 1997-01
34. Collaborative Training Program in Occupational Medicine- King Faisal University. 2000-07; extended with additional funding 2007- 10.
35. Occupational Medicine Residency, NIOSH/CDC. 1999-03

36. COPD: Occupation, Airway Responsiveness, and Smoking Effect. Centers For Disease Control and Prevention/Association of American Medical Colleges. 2001-04
37. Occupational Medicine Residency, NIOSH/CDC. 2002-2004
38. Occupational Medicine Residency, NIOSH/CDC. 2004-2009
39. Working Conditions of Dental Hygienists, NIOSH/CDC/ERC/Pilot Project. 2003-4
40. RAND, Workers Compensation Guidelines. 2004 (UCLA subcontract; main project funded by CA Department of Industrial Relations)
41. Carbon Black Respiratory Effects, International Carbon Black Association. 2001-03 ; extended with additional funding 2005- 9.
42. Adjudication Model for COPD. Workers Compensation Board of AB 2006-9.
43. Health effects of surface goods movement. BNSF Foundation 2006- 2009
44. Health Effects Panel- Hanford Environmental Site/ CH2Mhill. 2004-6
45. Respirator Effects in Impaired Workers, CDC/ NIOSH (R01). 2005-9.
46. Beryllium Bio-Repository , US Dept of Energy, 2005-6.
47. Occupational medicine residency support, Kaiser Permanente, 2005-2012.
48. Occupational medicine collaboration, Cal-OSHA, 2005-2012.
49. King Faisal University-UCLA collaborative program in occupational medicine, 2000-2010.
50. DOE Beryllium Bio-Repository. US Dept. of Energy. 2007-11.
51. Workers Compensation Quality Assesement: Zenith Insurance Corp: 2008-10
52. Aeromedical Medical Evaluation Analysis: Intl SOS Corp 2011
53. Assessment of Utilization Review Systems: State Compensation Insurance Fund. 2011-12
54. Occupational Medicine Activities and Skills: An Empiric Study. (R01) CDC. 2008-13.
55. International travel risks (International SOS Inc.) 2012-14
56. Respirator Effects in Impaired Workers, CDC/ NIOSH (R01). 2002-14.
57. Arizona Agricultural Health Assessment (subcontract Western Center for Agricultural Health and Safety/ CDC/NIOSH) 2014
58. Collaborative Occupational Medicine Program-Universities of Arizona and Dammam. (Managed through Global Health Institute, I Hakim). 201 2015-17

**Past Grants- Co-Investigator:**

59. Environmental Epidemiology and Statistics Training Program, School of Public Health, UCLA. 1984-89 (PI: Detels)
60. Clinical Center for Early Intervention for Chronic Obstructive Pulmonary Disease (COPD), HLBI1984-92 (PI: Tashkin)
61. Injury Prevention Research Center, CDC. 1988-90
62. Respirator Performance Model for Particulates, NIOSH. 1988-91 (PI: Hinds)
63. Relationship Between Sulfur Dioxide Induced Bronchoconstriction and Daily Activities in Asthmatics. Electric Power Research Institute. 1989-92 (PI- Gong)
64. UCLA-Mexico/Colombia Collaborative Training and Research Program. NIH/ Fogarty International Center. 1995-2007 (PI: Froines)
65. Chiropractic Versus Medical Care for Low Back Pain, Agency for Healthcare Quality and Research1994-99 (PI: Morgenstern)

66. CA Wellness Foundation. Occupational health in primary care and Gardeners 2006-8 (PI: Hinds/ Ben-Levi)

67. UCLA-Mexico/Colombia Collaborative Training and Research Program. NIH/ Fogarty International Center. 2007-2012 (PI: Froines)

**Current Grants - Principal Investigator:**

**Current Grants Co-Investigator:**

68. Center for Indigenous Environmental Health Research (CIEHR)from Univ of Colorado/ CDC/NIOSH) 2014-18 (PI J Burgess)

69. Heat Stress- 2018-19 (PI Griffin S)

**Pending Grant Application(s):**

70. Health-based Respirator Use RO1 -CDC/ NIOSH (PI Harber)

71. Personal digital libraries-work-related asthma R01-NIH/National Library of Medicine (PI: Harber, Leroy)

72. Healthcare Information Through Digital Assistants and EHR Optimization. NSF )PI: Leroy, G).

**CONSULTATION PROJECTS & AREAS OF SPECIAL INTEREST (Examples)**

Occupational lung disease

Occupational toxicology

Respiratory protection

Asbestos

Beryllium

Carbon Black

Coal

Computer models

Decision analysis

Diatomaceous earth

Diacetyl

Diesel exhaust

Disability assessment

Ergonomics

Evidence-based medicine

Goods movement (longshoring, railroad)

Pulmonary physiology

Surveillance systems

Work ability assessment

Workers compensation quality measures

Utilization review systems-quality audit

**PROGRAMMING**

MS Access, VBA Basic, C/C++, dBase, Fortran, Level V , NeuralWare (Neural Net Computing), SAS, Treeage

**CLINICAL ACTIVITIES**

Clinical program in Occupational, Environmental, and Pulmonary Medicine:

Independent medical examiners program (state and federal); agreed medical examiner

Asbestos workers evaluation program

Individual referrals in Occupational Medicine, Occupational Toxicology

Consultative service - preventive/occupational medicine

Clinical ergonomics laboratory

Bronchoprovocation testing

Occupational low back pain panel

Worksite environmental surveys  
Director, UCLA Occupational Health Clinical Center, 1987-91.  
Disability Management  
Beryllium clinical center  
Agreed Evaluator ILWU and PMA

### **REVIEWER/EDITORIAL SERVICE**

Ad Hoc review for:

Agency for Toxic Substances and Disease Registry  
American Journal of Epidemiology  
American Journal of Industrial Medicine (2017, 2018)  
American Journal of Public Health  
American Journal of Respiratory and Critical Care Medicine (2017, 2018, 2019)  
American Review of Respiratory Disease  
Annals of Internal Medicine (2018)  
Archives of Environmental Health (2018)  
Canadian Mineralogist  
Chest  
Environmental Health Perspectives  
Int Arch Occup and Environ Health (2018)  
International Journal of Occup- Environ Med  
J Aerosols in med and Pulm Drug Delivery  
Journal of Occupational Medicine/Journal of Occupational and Environmental Medicine  
Journal of Occupational & Environmental Hygiene 2017, 2018  
National Institute for Occupational Safety and Health  
New England Journal of Medicine (NEJM)  
Occupational and Environmental Medicine (formerly BJIM) (2017, 2018)  
Occupational Medicine (London) (2018)  
Pediatric Pulmonology  
PLOS 2017  
Public-Health Reports  
International Journal of Tuberculosis and Lung Disease  
Science  
SW Journal Pulm Crit Care Med (2018)  
Western Journal of Medicine

### **Editorial Board:**

Occupational and Environmental Medicine Report, 1992-8  
Toxicological Reviews, 2001-6

### **COURSES/SYMPOSIUMS ORGANIZED (Off-Campus, CE Outreach)**

1. Symposium on Occupational Lung Disease, American Lung Association of Los Angeles County, (April). 1983
2. Asthma and the Environment, American Lung Association of Los Angeles County, (March). 1984
3. Advanced Industrial Pulmonary Function testing, UCLA Extension, (May). 1984
4. Decision Analysis in Occupational Medicine, American Academy of Occupational Medicine, Salt Lake City, (September). 1984
5. Health Effects of Fibers Symposium, American Lung Association of Los Angeles County, (April), (chair). 1985
6. Research in Occupational Health (medical school elective). 1986
7. Western Occupational Health Conference, Program Chair. 1986
8. Artificial Intelligence in Occupational Medicine, American Occupational Health Conference. 1990
9. Co-Chair, Western Occupational Health Conference. 1990

10. New Technologies Course, Western Occupational Health Conference. 1990
11. Respiratory Surveillance, American College of Occupational Medicine. 1991
12. Biologic Monitoring, UCLA Invitational 2-Day Seminar, (July). 1991
13. Respiratory Protection Update, American College of Occupational Medicine. 1992
14. Environmental Lung Disease -- Current Issues (symposium), American College of Chest Physicians, (October). 1992
15. Occupational Lung Disease (full day postgraduate course), American College of Chest Physicians. 1992
16. Medical Surveillance (full day), American Occupational Health Conference. 1994
17. Providing Pulmonary Services to Workers (full day postgraduate course), American College of Chest Physicians, (October). 1994
18. Exposure Assessment in Workers' Compensation, Industrial Medical Council, (May). 1994
19. Scientific Program Chair, American Occupational Health Conference. 1995
20. Occupational Respiratory Disease: Recognition, Prevention, and Accommodation, UCLA Occupational and Environmental Medicine - Kaiser Permanente Seminar Series (January – February). 1997
21. Course Overview: What's New: A Literature Review of Advances in Occupational and Environmental Medicine. American Occupational Health Conference (ACOEM), Orlando (May). 1997
22. Curso de diplomado: Organized UCLA components of one year course in Baja California training Mexican physicians in occupational medicine. 1996
23. Ergonomia (Ergonomics): Sociedad Nacional de Salud de Trabajo annual meeting. Guadalajara, (June). 1997
24. International Occupational Medicine Conference: Co-Sponsored by UCLA Fogarty Center and Sociedad Mexicana de Salud del Trabajo: (3 day meeting), (organizer). 1997
25. Ergonomia y Asma, Universidad Nacional Autonomia de Mexico (UNAM), 2 day course. 1998
26. Workers Compensation Causation Assessment, Edmonton Canada, (April), (Co-organizer) 1999
27. Workers Compensation Causation Model, Canada (June), (Co-organizer) 1999
28. Occupational asthma, American College of Occupational and Environmental Medicine, San Antonio, (October), (invited presenter). 1999
29. Today's Research, Tomorrow's Practice, American College of Occupational and environmental medicine, Nashville, (November), (symposium organizer). 2000
30. Occupational disease update, American College of Occupational and Environmental Medicine, San Francisco, April. 2001
31. Occupational disease update, American College of Occupational and Environmental Medicine, Seattle, October. 2001
32. Current Research, American College Of Occupational & Environmental Medicine, Chicago, April. 2002
33. Occupational Asthma, American Association of Occupational Health Nurses, Chicago. 2003
34. Health Culture and Productivity. 2004
35. Enhancing Prevention in Occupational Health: Implications for Academic Programs. In Steps to a Healthier U.S. Workforce, sponsored by CDC/NIOSH (Washington, October, 2004) 2004
36. Health effects of surface goods movement, February 2007
37. Vulnerable & Susceptible Populations (Session organizer & speaker). ACOEM, San Diego, 2009.
38. Harber P. Aligning Mission with Practice: Why Occupational Medicine Makes Sense (session organizer). In: American Occupational Health Conference (Washington); 2011 March 2011; 2011.

### **COURSES/SYMPOSIA ORGANIZED (On-Campus)**

39. 1982-93, Medicine 265, Occupational Medicine Advanced Clinical Clerkship (yearly course for medical students).
40. 1982-89, Public Health 256, Scientific Basis for Occupational Health (co-instructor/instructor), (4 credits).
41. 1988-00, UCLA Occupational and Environmental Medicine Seminar (monthly).
42. 1990-93, Environmental Health Sciences 251, Occupational Diseases (primary responsibility), (4 credits).
43. 1994-95, Environmental Health Sciences 251, Introduction to Occupational Medicine (3 units, School of Public Health).
44. 1995-96, Environmental Health Sciences 251, Introduction to Occupational Medicine (3 units, School of Public Health)

45. 1996, Winter-Spring UCLA Environmental and Occupational Medicine (CME course credit)
46. 1996-97, Environmental Health Sciences 251, Introduction to Occupational Medicine (3 units, School of Public Health)
47. 1997, Winter-Spring UCLA Environmental and Occupational Medicine (CME course credit)
48. 1998, Winter-Spring UCLA Environmental and Occupational Medicine. Includes a mini-symposia on Health Services Organization
49. 1997-98, Environmental Health Sciences 251, Introduction to Occupational Medicine (3 units School of Public Health)
50. 2000-01, Occupational-Environmental Medicine core curriculum (weekly lecture/seminar)
51. 2001-02, Occupational-Environmental Medicine core curriculum (biweekly lecture series)
52. 2001-02, Occupational-Environmental Medicine management (monthly lecture/seminar)
53. 2003 Occupational diseases prevention and recognition (EHS 251a- spring quarter )
54. 2003 Occupational Diseases Prevention And Recognition (EHS 251a- winter quarter )
55. 2004 Occupational Diseases Prevention And Recognition (EHS 251a- winter quarter )
56. 2002-3:Occupational Medicine Core Lecture Series
57. 2003-04 Occupational-Environmental Medicine Core Lecture Series
58. 2004-05 Occupational-Environmental Medicine Core Lecture Series (weekly in academic year)
59. 2003 EHS 251. Recognition and Prevention of Occupational Disease
60. 2005-6 Occupational-Environmental Medicine Core Lecture Series (weekly in academic year)
61. 2003 EHS 596 Directed Individual study and Research
62. 2005 EHS 400 Field Studies
63. 2003 EHS 400 Field Studies
64. 2006 EHS 251. Recognition and Prevention of Occupational Disease
65. 2006-7 Occupational-Environmental Medicine Core Lecture Series (weekly)
66. 2007 EHS 251 Prevention of Disease in Workers and Workplaces
67. 2008 EHS 251 Prevention of Disease in Workers and Workplaces
68. 2010 EHS 251 Prevention of Disease in Workers and Workplaces (3 cu, 24 hours lecture)
69. 2014-2017 Occupational Medicine Core Topics
70. 2014-2017 Occupational-Environmental Medicine Research and Management

### **LECTURES AND PRESENTATIONS (Off-campus and continuing education)**

1. SO<sub>2</sub> standard; Testimony at Minnesota State Hearing. 1980
2. Respiratory medical programs; Industrial Hygiene Conference of National Distiller. 1980
3. Health effects of air pollutants (invited lecture); Indiana State Association of Public Health Officers. 1980
4. Work rehabilitation of pulmonary impaired workers (invited lecture); Ohio State Rehabilitation Program. 1980
5. Physiologic effects of respiratory disability determination; ACCP International Occupational Lung Disease Conference, Chicago. 1982
6. Statistical "biases" in respiratory disability determination; ACCP International Occupational Lung Disease Conference, Chicago. 1982
7. Estimation of exertion requirements of coal mining work; ACCP International Occupational Lung Disease Conference, Chicago. 1982
8. Statistical considerations in clinical pulmonary function test interpretation (seminar, repeated three times); American Thoracic Society Meeting. 1982
9. Respiratory disability. Seminar chair; American Thoracic Society Meeting. 1982
10. Overview of occupational lung disease; Los Angeles Committee on Occupational Safety and Health (LACOSH). 1982
11. How to determine if a cancer is due to occupation, in Surveillance and Prevention of Cancer in the Workplace; sponsored by Johnson Cancer Center and Lung Association. 1982
12. Health effects of hazardous waste in hazardous waste management; Continuing education course of UCLA School of Engineering. 1982
13. 1982, Use and abuse of spirometry (invited lecture); Western Occupational Medical Association Meeting.
14. Prevention of occupational back pain (invited seminar); Northern Occupational Health Center, San Francisco. 1983
15. Asbestos-related diseases (invited grand rounds; occupational medicine); Northern Occupational Health Center, San Francisco. 1983

16. Clinical approach to occupational lung disease (meeting chair); Symposium on Occupational Lung Disease sponsored by the Lung Association of Los Angeles County. 1983
17. Optimizing industrial pulmonary function testing; American Occupational Medical Association, Washington, D.C. 1983
18. Medical certification for respirator use; American Occupational Medical Association, Washington, D.C. 1983
19. Conference on aging and productivity (participant); Andrus Gerontology Center and National Commission of Aging, Los Angeles. 1983
20. Ergonomic consideration in VDT workstation design; Los Angeles Committee on Occupational Safety and Health (LACOSH), Los Angeles. 1983
21. Occupational lung disease: perspectives on prevention; Arizona Lung Association, Tucson. 1983
22. Silicosis; respirators; American Lung Association of Los Angeles. 1984
23. Determining work relatedness of asthma; American Lung Association of Los Angeles County. 1984
24. Asthma and the environment (seminar chair); American Lung Association of Los Angeles County. 1984
25. Toxic hazards of hospital work I (invited lecture); Olive View Medical Center. 1984
26. Medical suitability for respirator use (invited lecture); National Naval Environmental Health Conference, Norfolk, VA. 1984
27. Toxic hazards of hospital work II (invited lecture); Olive View Medical Center. 1984
28. Toxic hazards of hospital work III (invited lecture); Olive View Medical Center. 1984
29. Toxic hazards of hospital work IV (invited lecture); Olive View Medical Center. 1984
30. Occupational asthma (invited lecture); American Occupational Medical Association National Meeting, Los Angeles. 1984
31. Respiratory disability and impairment; American Thoracic Society Annual Meeting, Miami. 1984
32. Effects of industrial respirators on respiratory pattern and load sensitivity; American Thoracic Society Annual Meeting, Miami. 1984
33. Occupational lung disease; Valley Park Hospital, Los Angeles. 1984
34. Decision analysis in Occupational Medicine (invited course). Joint Conference on Occupational Health/American Academy of Occupational Medicine; Salt Lake City. Topics include: Introduction; Decision trees (methacholine challenge); Utilities and values; ROC curves; Screening; The future. 1984
35. Asbestos related disease (invited seminar); Medical-Legal Institute, Las Vegas. 1984
36. Occupational asthma (invited lecture); Cedars-Sinai Medical Center, Pulmonary Grand Rounds. 1985
37. Industrial toxic emergencies (grand rounds); Emergency Medical Center, UCLA. 1985
38. The disabled lung (invited lecture); California Medical Association, San Diego. 1985
39. Health information systems (invited speaker, also session chair); American Occupational Medicine Association, Kansas City. 1985
40. Job specific ability and disability; American Thoracic Society, Anaheim. 1985
41. Asbestos and obstructive lung disease (invited presentation); Los Angeles Occupational Epidemiology Forum. 1985
42. Evaluation for respirator use (invited lecture); Western Occupational Health Conference. 1985
43. Quantitative testing methods in occupational medicine (invited lecture); Occupational Medicine Association of Canada, Calgary. 1985
44. Toxicology (quality care in the California workers' compensation system) (invited lecture); Division of Industrial Accidents/University of Southern California. 1985
45. Pulmonary research (session chair); Joint Conference on Occupational Health, Orlando. 1985
46. Alternative partial respiratory disability systems (research paper); American Academy of Occupational Medicine, Orlando. 1985
47. Preplacement testing (invited seminar); University of Southern California. 1986
48. Occupational asthma (invited lecture); Long Beach Memorial Medical Center, Long Beach. 1986
49. Occupational lung disease (invited lecture); Midway Hospital, Los Angeles. 1986
50. Cadmium inhalation; American Lung Association of Los Angeles. 1986
51. Occupational restrictive lung diseases (invited lecture); University of California, Irvine. 1986
52. Occupational back pain in nurses: recent findings (research paper); American Occupational Medicine Association Meeting, Philadelphia. 1986
53. Early manifestations of occupational lung disease (session chair); American Occupational Medical Association, Philadelphia. 1986
54. Obstructive disease from inhaled fibers; American Occupational Medical Association, Denver. 1986
55. Beyond limits of spirometry (invited lecture); American Occupational Health Conference, Denver. 1986
56. Assessing physical disability in disability evaluation in workers' compensation (invited lecture); Los Angeles. 1986

57. Environmental determinants of occupational back pain in nurses (research paper); Fifth International Epidemiology in Occupational Health Symposium, Los Angeles. 1986
58. Pleural plaques and asbestos associated malignancy (research paper); ACCP International Conference on Occupational and Environmental Disease, Montreal. 1986
59. Occupational asthma (invited seminar); Trudeau Society, Los Angeles. 1986
60. Defining the scope of occupational medicine practice (invited seminar); American Academy of Occupational Medicine, Washington. 1986
61. Respirator medical certification (invited lecture); UC System-wide Industrial Hygiene Conference. 1986
62. Chairman's introduction; Western Occupational Health Conference, San Francisco. 1986
63. New methods in evaluating disability (invited lecture); Disability evaluation seminar, Thousand Oaks. 1987
64. Occupational lung disease; White Memorial Medical Center, Los Angeles (grand rounds). 1987
65. Pulmonary exercise testing; American Occupational Medical Association, Philadelphia (invited seminar). 1987
66. Veracity of smoking information from disability claimants: comparison of carboxyhemoglobin levels in nonsmoking disability and reference subjects; American Thoracic Society, New Orleans (research paper). 1987
67. Respirator tolerance: interaction of physiologic, psychophysical, and subjective factors; American Thoracic Society, New Orleans (research paper). 1987
68. Non-patient contact activities and occupational back pain among nurses; International Occupational Epidemiology Conference, Los Angeles (research paper). 1987,
69. Subjective tolerance of industrial respirators: effects of resistive and dead space loads; American College of Chest Physicians, Atlanta (research paper). 1987
70. Screening workers at high risk of occupational lung disease; American Occupational Health Conference, New Orleans (invited lecture). 1988
71. Effect of asthma on work and home life; American Thoracic Society, Las Vegas (research paper). 1988
72. Effect of exercise level on ventilatory adaptation to respirator use; American Thoracic Society, Las Vegas (research paper). 1988
73. Respirator use in the work environment; American Thoracic Society, Las Vegas (invited speaker). 1988
74. Sentinel health event surveillance; California Department of Health Services, Berkeley (invited presentation). 1988
75. Computers in clinical decision-making; Harbor-UCLA Medical Center, Torrance (invited lecture). 1988
76. Occupational lung disease; Tarzana Regional Medical Center, Tarzana (invited lecture). 1988
77. Toxicology of lung disease; Pacific Occupational Safety and Health Conference, Costa Mesa (invited lecture). 1988
78. Clinical and epidemiologic evaluation of the asbestos exposed patient; Asbestosis Symposium, Cedars-Sinai Medical Center, Los Angeles (invited lecture). 1988
79. Effect of corticosteroid use on occupational disability among asthmatics; American College of Chest Physicians, Anaheim (research paper). 1988
80. Office spirometry and challenges; American College of Allergy and Immunology, Los Angeles (invited seminar). 1988
81. Respirators in the work environment; Southern California Association of Occupational Health Nurses, Pasadena (invited speaker). 1989
82. Respirator effect in pulmonary impaired subjects; American Thoracic Society, Kansas City (research paper). 1989
83. Functional impact of small airway dysfunction; American Thoracic Society, Kansas, City (research paper). 1989
84. Occupational asthma; Hoag Hospital, Newport Beach (invited speaker). 1989
85. Upper extremity symptoms in supermarket workers -- an epidemiologic biomechanical approach; Los Angeles Epidemiology Forum, Los Angeles (invited lecture). 1989
86. Evaluation of worker fitness for respirator use; California Thoracic Society (invited lecture). 1989
87. Workshop on environmental and occupational asthma; US Task Force on Environmental Career and Heart and Lung Disease, ATSDR (CDC) (invited participant and speaker). 1989
88. Decision analysis in pulmonary medicine; Pulmonary Grand Rounds, Cedars-Sinai Medical Center, Los Angeles (invited lecture). 1990
89. Carpal tunnel syndrome; (radio interview). 1990
90. Cumulative trauma disorders; Physicians Journal Update (television interview). 1990
91. Changing diagnostic aspects of pneumoconiosis; American College of Occupational Medicine, Houston (invited lecturer). 1990
92. Common occupational disorders in primary care; Santa Monica Hospital, Santa Monica (invited lecture). 1990



93. Assessment of environmental and community toxins; Los Angeles Society of Allergy and Clinical Immunology, Los Angeles (invited lecture). 1990
94. Occupational health and safety software; American College of Occupational Medicine, Houston (invited postgraduate course). 1990
95. Occupational surveillance and fitness; American Thoracic Society, Boston (invited lecture in postgraduate course). 1990
96. Clinic based surveillance for hazards: questionnaire, expert and expert system approaches; American Thoracic Society, Boston (research paper). 1990
97. Role of subjective response in evaluating respirators; American Thoracic Society, Boston (research paper). 1990
98. Assessing work ability and disability; Fundamentals of Occupational Medicine in a Provider Based Setting, Santa Barbara (invited lecture). 1990
99. Occupational asthma; Sepulveda Veterans Hospital, Los Angeles (grand rounds). 1990
100. Repetitive trauma disorders; KNBC (radio interview). 1990
101. Respiratory stress, pulmonary fitness, and respirator use; American College of Occupational Medicine State of the Art Conference, Pittsburgh (invited lecture). 1990
102. Occupational lung disease and protective equipment; American College of Occupational Medicine State of the Art Conference, Pittsburgh (invited seminar). 1990
103. Surveillance program design; Pacific Occupational Safety and Health Conference, Long Beach (invited lecture). 1990
104. Occupational and environmental health; American College of Chest Physicians, Toronto (session chair). 1990
105. New perspectives on asbestos; American College of Chest Physicians, Toronto (moderator). 1990
106. Prevention program optimization; Western Occupational Health Conference, Los Angeles (invited lecture). 1990
107. Western Occupational Health Conference; Los Angeles (co-chair). 1990
108. Selecting real goals: program optimization; Western Occupational Health Conference, Los Angeles (invited lecture). 1990
109. Occupational lung diseases; Wadsworth VA Hospital (invited lecture). 1991
110. Respiratory surveillance; American Occupational Health Conference, San Francisco (course organizer and speaker). 1991
111. Asbestos as a health hazard; Hoag/Memorial Hospital, Newport Beach (invited lecture). 1991
112. Respiratory impairment; Harbor-UCLA Medical Center, Torrance (invited pulmonary grand rounds). 1991
113. Clinical significance of plain film abnormalities, pneumoconiosis post-graduate course; Cedars Sinai Medical Center, Los Angeles (invited lecture). 1991
114. Nasal-oral flow partition with respirator use; American Thoracic Society, Anaheim (research paper). 1991
115. Respiratory evaluation; SCE Health Care, Pasadena (invited lecture). 1991
116. Respiratory user medical evaluation: simple methods succeed; 4th International Environmental Lung Disease Conference, Montreal (research paper). 1991
117. Radiologic abnormalities among diatomaceous earth miners; 4th International Environmental Lung Disease Conference, Montreal (research paper). 1991
118. Respiratory disability accommodation; 4th International Environmental Lung Disease Conference, Montreal (research paper). 1991
119. Diagnostic methods; 4th International Environmental Lung Disease Conference, Montreal (session chair). 1991
120. Respiratory disease (3 hour seminar); State Compensation Insurance Fund, Monterey Park (invited lecturer). 1991
121. Assessing job requirements under the ADA: fitting the worker to the job; Western Occupational Health Conference, Monterey (invited lecture). 1991
122. Western Occupational Health Conference; Monterey (session moderator). 1991
123. Fiberglass and cancer risk. Testimony to Assembly of State of California; Sacramento. 1992
124. Lexical analysis: feasibility consideration of computerized occupational lung disease language interpretation; American Thoracic Society, Miami (research paper). 1992
125. Respiratory pattern effect of acute sulfur dioxide exposure in asthmatics; American Thoracic Society, Miami (research paper). 1992
126. Interpreting pulmonary function tests; American College of Occupational and Environmental Medicine, Washington (invited lecture). 1992
127. Respirator medical clearance; American College of Occupational and Environmental Medicine, Washington (session chair). 1992

128. Respirator tolerance: theoretical approaches. American College of Occupational and Environmental Medicine, Washington (invited lecturer). 1992
129. Americans with Disabilities Act; UC Davis Occupational and Environmental Medicine Annual Symposium, Davis, (invited lecture). 1992
130. Respiratory disease (3 hour seminar). State Compensation Insurance Fund, Monterey Park, CA (invited lecturer). 1992
131. Occupational lung disease; Wadsworth VAMC (invited lecture). 1992
132. Assessing impairment and disability from occupational airways disease; American College of Chest Physicians, Chicago (invited lecture). 1992
133. Ability and disability; American College of Chest Physicians (invited lecture). 1992
134. Expected work life; Union Pacific Medical Meeting, Vail (research presentation). 1992
135. Potroom (aluminum) asthma; Alcoa Corporation International Health Meeting, Atlanta (invited lecture). 1992
136. Trends in occupational medicine. American Industrial Hygiene Association (southwest); San Diego (invited lecturer). 1993
137. Occupational lung disease (3 hour seminar); State Compensation Insurance Fund, Commerce, CA (invited lecturer). 1993
138. Marketing of ergonomics products and services; Truth in advertising? UC San Francisco Occupational-Environmental Grand Rounds, San Francisco (invited lecturer). 1993
139. Assessing work ability in worker's compensation; SEAK, Inc., San Francisco (invited lecture). 1993
140. Asthma disability; American College of Occupational and Environmental Medicine, Atlanta (invited lecture). 1993
141. Impairment evaluation in occupational asthma, and Worker fitness and respiratory protection; University of South Florida and the American College of Chest Physicians, Tampa (invited lectures). 1993
142. Occupational lung disease (4 hour lecture); State Compensation Insurance Fund, Costa Mesa (invited lecturer). 1993
143. Work placement; Ryan & Associates, Santa Barbara (invited lecturer). 1993
144. The work environment and ergonomics: Implications for practicing physicians; Saint Joseph Medical Center, Burbank (invited lecturer). 1993
145. Redefining asbestosis; American College of Chest Physicians, Orlando (invited lecturer). 1993
146. Biologic monitoring: programmatic aspects; American Industrial Hygiene Association of Orange County, Norwalk (invited lecturer). 1993
147. Guidelines for Permanent Disability in Lung Disorders; American Academy of 1993, Disability Evaluating Physicians. San Diego (invited lecturer). 1993
148. Job-task-subtask analysis - an overview; Association of American Railroad (invited lecturer). 1993
149. Asbestos; Chest Grand Rounds, Harbor-UCLA Medical Center, Torrance (invited lecturer). 1994
150. Outcome determinations, workshop on non-traditional disability management; Union Pacific Corporation, Las Vegas (invited lecturer). 1994
151. Prevention and assessment of occupational lung disease; American College of Chest Physicians, Miami (invited seminar). 1994
152. Occupational data for interpreting risk assessments; Society for Risk Analysis, Southern California Chapter, Los Angeles (invited lecture). 1994
153. Quantitative decision methods; Conference on Biomarkers, United States Department of Energy, Santa Fe (invited research presentation). 1994
154. Pleural abnormalities in diatomaceous earth workers; American Thoracic Society, Boston (research presentation). 1994
155. Respiratory protection; American Thoracic Society, Boston (session chair & organizer). 1994
156. Bioaerosols (respiratory protection); American Thoracic Society; Boston (invited lecturer). 1994
157. Asthma and hypersensitivity pneumonitis (occupational lung diseases mini-course); UC Davis, Sacramento (invited lecturer). 1994
158. Respirators; UC Davis, Sacramento (invited lecturer). 1994
159. Occupational pulmonary medicine; UC Davis Mini Course (invited lecturer). 1994
160. Cumulative Trauma Disorders: Determination of Causation; National Workers Compensation and Occupational Medicine Seminar; Cape Cod (invited lecturer). 1994
161. Job Demand Determination; National Workers Compensation and Occupational Medicine Seminar; Cape Cod (invited lecturer). 1994
162. Medical surveillance. Organizational Resource Counselors (ORC); Washington. 1994
163. Job demand assessment (invited presentation); Association of American Railroads, Santa Monica. 1994
164. Integrated approach to job demand assessment; Association of American Railroads, Washington. 1995

165. Atomic approach to disability assessment (invited research lecture); University of Texas, School of Public Health, Houston. 1995
166. Impact of asthma; International Environmental and Occupational Lung Disease Conference, Orlando (invited lecturer). 1995
167. Exposure assessment for carpal tunnel syndrome; American Occupational Health Conference (AHOC), Las Vegas (research presentation). 1995
168. Screening: Beyond sensitivity; American Occupational Health Conference (AHOC), Las Vegas (invited lecture). 1995
169. Respiratory disability; American Occupational Health Conference (ACOEM), Las Vegas (invited lecturer). 1995
170. Medical surveillance; American Industrial Hygiene Association, Kansas City (invited lecture). 1995
171. Generic medical surveillance; Organizational Resource Counselors (ORC), Washington (invited lecturer). 1995
172. Respiratory disability; Western Occupational and Environmental Medical Association, Monterey (invited lecturer). 1995
173. Computers in occupational medicine - future possibilities; Western Occupational and Environmental Medical Association, Monterey (invited lecturer). 1995
174. Occupational lung disease (3 hour lecture); State Compensation Insurance Fund, Los Angeles (invited lecturer). 1995
175. Exposure assessment (4 lectures); Harbor General - UCLA Family Practice Program (invited lecturer). 1995
176. Respiratory surveillance; ACOEM State of the Art Conference, Seattle (invited lecture). 1995
177. Medical standards for job placement; New England College of Occupational and Environmental Medicine, Boston (invitational lecture). 1995
178. Harriet Hardy Award acceptance; New England College of Occupational and Environmental Medicine, Boston (invited lecturer). 1995
179. Database Models: Implications for Public Health Surveillance; California Department of Health Services, (OHSEP), Berkeley (research presentation). 1995
180. Model for Asbestos Disease Development and Progression in Individuals and Populations, ATS, (research presentation). 1995
181. Respiratory Disease Course (3 hours); State Compensation Insurance Fund Los Angeles (invited lecturer). 1996
182. Work Ability and Disability (Chest Grand Rounds); Harbor-UCLA Medical Center, Torrance (invited lecturer). 1996
183. Assessing Chemical Exposure in the Workplace and Community; UCLA Family Practice Grand Rounds (invited lecturer). 1996
184. Occupational Lung Disease-Literature Review; American Occupational Health Conference (ACOEM), San Antonio (invited lecturer). 1996
185. Course Overview: What's New: A literature review of advances in occupational and environmental medicine; American Occupational Health Conference (ACOEM), San Antonio (Course organizer). 1996
186. Respiratory Protection; American Thoracic Society, New Orleans (invited lecturer). 1996
187. Change in Spirometer: Impact on Longitudinal Data; American Thoracic Society. New Orleans (invited lecturer). 1996
188. Atomic Approach to Occupational Dis/Ability Assessment; American Thoracic Society. New Orleans (invited lecturer). 1996
189. Case Study. Los Angeles County Department Health Services Public Health Programs & Services (ATSDR) Redondo Beach, California (invited lecturer). 1996
190. Occupational Lung Disease; Wadsworth Veterans Administration (invited lecturer). 1997
191. Occupational Health: Integrating Public Health Services; Harbor-UCLA Medical Center (invited lecturer). 1997
192. Occupational Respiratory Disease: Recognition, Prevention, and Accommodation. (3 lectures); UCLA Occupational and Environmental Medicine - Kaiser Permanente Seminar Series (invited lecturer). 1997
193. Occupational Health and Workers' Compensation System; White Memorial Hospital (invited lecturer). 1997
194. Occupational Asthma. Cedars Sinai Medical Center, Los Angeles Pulmonary/ Critical Care Grand Rounds (invited lecturer). 1997
195. Asthma Disability; American Occupational Health Conference (ACOEM), Orlando (invited lecturer). 1997
196. Occupational Respiratory Disease; Whittier Intercommunity Hospital Whittier, CA. (invited lecturer). 1997
197. Environmental Health Response Clinics; American Occupational Health Conference (ACOEM), Orlando (invited lecture). 1997

198. Airway Responsiveness; American Occupational Health Conference (ACOEM), Orlando (invited lecture). 1997
199. Occupational Respiratory Disease; Kaiser Cadillac Los Angeles: (Invited lecture). 1997
200. Intelligent database system to resolve the specificity/generality conflict for occupational respiratory questionnaires, American Thoracic Society, San Francisco (Research presentation). 1997
201. Occupational Lung Disease: International Occupational Medicine Conference: UCLA/Sociedad Mexicana de Salud del Trabajo (invited lecturer). 1997
202. Ergonomics: Exposure Assessment: International Occupational Medicine Conference: UCLA/Sociedad Mexicana de Salud del Trabajo (invited lecturer). 1997
203. Environmental Toxicology: Bay Shores Hospital Torrance, (invited CME lecture). 1997
204. Environmental Exposure Assessment: Harbor General Medical Center, Torrance (invited lecturer). 1997
205. Risk Communication: Harbor General Medical Center, Torrance. 1997
206. Fiber Glass Risk: Presentation to Cal-OSHA Toxic Air Contaminants Committee, San Francisco (invited lecturer). 1997
207. Occupational Toxicology. State Compensation Insurance Fund, San Bernardino (invited lecturer). 1997
208. SV40 and Mesothelioma Risk- Epidemiologic Approach. SV40 Study Consortium; New York (invited lecturer). 1997
209. Occupational Asthma; Cedars Sinai Medical Center, Los Angeles (invited lecturer). 1997
210. Occupational Asthma and Rhinitis; Allergy Association, Santa Barbara (invited lecturer). 1997
211. Respiratory Personal Protection; USC Occupational Medicine residency Program (invited lecturer). 1998
212. Causation Analysis- SEAK National Workers Compensation conference, San Francisco (invited lecturer). 1998
213. Computer methods in occupational Health Management in 2020- SEAK National Workers Compensation Conference, San Francisco (invited lecturer). 1998
214. Computer methods to link public health and clinical occupational medicine- UC, San Francisco (invited lecture). 1998
215. Respiratory Protection; Emeryville, UC Berkeley (invited lecturer). 1998
216. Respiratory Disease and Work- Health Systems Considerations- Kaiser, Bellflower CA. 1998
217. Asthma Disability and Ability: American College of Occupational and Environmental Medicine Boston (invited lecturer). 1998
218. Occupational and Environmental Medicine- Boston, (research presentation)
219. Public Health/ Clinical integration for Respiratory Diseases- American College 1998
220. Asma y Ocupacion, Mexico City, (invited lecture) 1998
221. Occupational Lung Disease, Providence- Holy Cross Hospital, Mission Hills, 1998
222. Sistemas de salud ocupacional, Universidad Nacional Autonomia de Mexico (UNAM), Mexico City, (invited lecture to monthly grand rounds) 1998
223. Ergonomia y Ashma, Universidad Nacional Autonomia de Mexico (UNAM), Mexico City, (lectures) 1998
224. Occupational Health Care Delivery Systems- Is There a Best Choice? , State of the Art Conference, American College of Occupational and Environmental Medicine, Phoenix, (Invited presentation) 1998
225. Determining Causation, European Respiratory Society, Madrid, (invited lecture) 1999
226. Causation Assessment, American College of Occupational and Environmental Medicine, San Antonio, (invited presentation) 1999
227. Occupational Asthma Prevention, American College of Occupational and Environmental Medicine, San Antonio, (invited presentation) 1999
228. Occupational Asthma Management, Occupational Asthma Workshop Quebec, PQ (invited discussant) 2000
229. Occupational Health Concerns in General Medical Clinics, American Thoracic Society, Toronto, (research paper) 2000
230. Lexical Analysis of General Pulmonary and Occupational Medicine Text, American Thoracic Society, Toronto, (research paper) 2000
231. Reinventing the Role of Occupational Medicine, Kaiser Permanente Newport Beach, (invited lecture) 2000
232. Occupational Asthma - Union Pacific Railroad- Denver (invited lecturer). 2000
233. Causation Analysis: Programmatic Approaches -American Assn of State Compensation Insurance funds, San Diego, (invited lecturer). 2000
234. Effect of Production Process on Carbon Black Exposure, European Respiratory Society; Florence, Italy; (research paper). 2000
235. UCLA Beryllium Experiment U.S. Dept of Energy" Denver, (invited presentation). 2000
236. Occupational Health Services – Is there a Mandate? , American College of Occupational and Environmental Medicine, Nashville ( invited lecture) 2000

237. Linking Public Health and Clinical Medicine by Computer Technology American College of Occupational and Environmental Medicine, Nashville (invited lecture) 2000
238. Occupational Health Surveillance - Hong Kong Academy of Medicine, (invited to give a presentation) 2000
239. Hong Kong College of Occupational Medicine, Hong Kong (invited lecture) 2000
240. Occupational Respiratory disease - Hong Kong College of Family practitioners (invited lecture). 2000
241. Causation Analysis, Robert Wood Johnson Medical School, New Brunswick NJ, (invited lecture) 2000
242. Computer Methods to Link Public Health and Clinical Approaches. National Occupational Research Agenda Meeting (NIOSH), Washington, (research presentation). 2001
243. Fatal Asbestosis 50 Years after brief high-intensity exposure in a vermiculite expansion plant. American Thoracic Society, San Francisco, (research presentation). 2001
244. Optimization of Beryllium Worker Screening. American Thoracic Society, San Francisco, (research presentation). 2001
245. Malignant Mesothelioma- Therapy and SV40. Chicago, (session chair). 2001
246. Lung Tissue Asbestos Content and SV40 Status in Mesothelioma Patients. Malignant Mesothelioma-Therapy Options and the Role of SV40: an Update; Chicago, (research presentation). 2001
247. Asbestos: what's new? American College of Occupational and Environmental Medicine, San Francisco, (invited lecture). 2001
248. Occupational Lung Disease: University of California, San Francisco; continuing medical education course, (invited lecture). 2001
249. Morbidity Studies. International Carbon Black Association, Rome, (invited presentation). 2001
250. Beryllium project update. Department of energy. Denver, 2001
251. Work ability and accommodation. American College of Chest Physicians, Philadelphia, (invited lecture). 2001
252. Respiratory Protection. American College of Chest Physicians, Philadelphia, (invited lecture). 2001
253. Spirometry and Exercise Testing. American College of Occupational and Environmental medicine, Seattle, (invited lecture). 2001
254. Chronic Beryllium Disease- UCLA update. U.S Department of Energy, Denver, (invited presentation). 2001
255. Occupational Lung-Disease Board Review. Pulmonary Board Review Group. Los Angeles, (invited lecture) 2001
256. Indoor Air Quality and Molds: Cedar Sinai Medical Center Grand Rounds. Los Angeles, (invited lecture) 2001
257. Occupational Lung Disease. Pulmonary Board Review. Los Angeles. 2001
258. Chair, "Current Research", American Occupational Health Conference, Chicago, April 2002
259. Refocusing occupational medicine-types and frequency of occupational health concerns. American Occupational Health Conference, (Research Paper). Chicago, April 2002
260. How Common Are Occupational Health Concerns?" Occupational Health Standards and Operating Procedures Conference (Invited lecture). Los Angeles, April, 2002.
261. Tasks Analysis. CE/CME Ergonomics Course. LA 2002
262. P Harber, H Pass, A Gazdar, F Pooley . Asbestos lung content among sv-40 positive mesothelioma patients. American Thoracic Society, Atlanta, 2002
263. Silica: Cancer & Obstructive Disease. Hong Kong Pneumoconiosis Board, Hong Kong. (invited lecture). November 2002
264. Silicosis: Assessing disability. Hong Kong Thoracic society, Hong Kong SAR. (Invited lecture) November, 2002.
265. Variable location residency programs (preventive medicine). American College of Preventive Medicine, San Diego. (Invited presentation) February 2003.
266. Occupation & Obstructive Lung Disease. American College Of Occupational & Environmental Medicine, Atlanta. ( Invited paper) April 2002
267. Occupational asthma. American association of occupational health nurses, Atlanta. (Invited lecture) May 2003
268. Harber, P., and C. S. D. Don, M. Mullin, C. Cooper.. Optimization Of Beryllium Worker Screening. American Thoracic Society (Research presentation). 2001
269. Wright, R., P. Harber, and B. B. J.L. Abraham. Fatal Asbestosis 50 Years After Brief High Intensity Exposure In A Vermiculite Expansion Plant. American Thoracic Society 2001
270. Harber, P., and S. S. H Muranko, A Torrossian, B Merz. Effect Of Carbon Black Exposure Upon Spirometry. American Thoracic Society (Research presentation) 2002
271. Harber, P., H. Pass, A. Gazdar, and F. Pooley. 2002. Asbestos Lung Content Among SV-40 Positive Mesothelioma Patients. American Thoracic Society 2002
272. Harber, P., and D. P. T. M. Simmons, E. Hnizdo, L. Schachter.. What Do Dust, Fume, Mask Use Really Mean? American Thoracic Society (Research presentation) 2003

273. Harber, P., and E. H. D.P. Tashkin, M. Simmons. Influence of Early COPD on Employment Status. American Thoracic Society (Research presentation) 2003
274. Harber, P. J. Okada., C. Cooper, V. Morkjaroenpong. 2003. Natural Course of Beryllium Disease Development-An Analytic Model Approach. American Thoracic Society (Research presentation) April 2003
275. Rutherford Johnstone Honor Lecture: Scope and Future of Occupational Medicine. Western Occupational and Environmental Medical Assn., Napa, CA October, 2003
276. Occupational Medicine Training. Johns Hopkins (Bloomberg) School of Public Health, Baltimore Nov, 2003
277. Occupational Asthma (West Los Angeles Veterans Admin Hosp) 2004
278. Occupational Asthma (West Los Angeles Veterans Admin Hosp January, 2004
279. Harber, P., L. Crawford, L. Schachter, and k. Liu. Exposure group classification by computerized free text lexical analysis. Orlando, American Thoracic Society. 2004
280. Harber, P., and D. T. M. Simmons, E. Hnizdo, L. Crawford, J. Connett. Effect of Fume Exposure on FEV1 in Early COPD. Orlando, American Thoracic Society. 2004
281. Structures for Integrating General Prevention & OEM Education . In Steps to a Healthier U.S. Workforce, sponsored by CDC/NIOSH (Washington, October, 2004)
282. Academic Occupational Medicine: Challenges and Opportunities. WOEMA Retreat. Pasadena. (invited presentation) 2005 (Jan)
283. Academic Occupational Medicine: Challenges and Opportunities. WOEMA Retreat. Pasadena. (invited presentation) 2005 (Jan)
284. Causation Assessment/ Guide to Creating Large Claims. CA Assoc of Occupational Health nurses. San Francisco. (Invited lecture) 2005 (October)
285. Beryllium: Genetics, Ethics, and Public Health. Harbor General Pulmonary Grand Rounds. Torrance CA. (invited lecture) 2005 (November)
286. Health Care Environment. Medical Staff. Olive View Medical Center. (invited lecture) 2006 (Jan)
287. Risks in Healthcare. Wadsworth VA Lecture. West LA VA. (invited lecture) 2006 (Jan)
288. Hanford Tank Farm Respiratory Risks. Hanford Worker/ DOE meeting. Richland WA. Research Summary 2006 (Feb)
289. Occupational Asthma. Pulmonary Grand Rounds- Cedars Sinai. Los Angeles. invited grand rounds 2006 (February)
290. Research Training. Educational Summit- Occupational Medicine. Washington. (Invited presentation) 2006 (March)
291. Context of Longitudinal Analysis: Decision Analysis Model. NIOSH Workshop on Longitudinal lung Function Analysis. Washington. (research presentation) 2006 (March)
292. Bronchiolitis Obliterans: Linking Clinical and Public Health Approaches. Council of State and Territorial Epidemiologists. Anaheim. invited lecture 2006 (June)
293. Airway Disorders. American College of Occupational and Environmental Medicine. Los Angeles. (invited lecture) 2006 (May)
294. Parenchymal Lung Disease (in basic curriculum course). American College of Occupational and Environmental Medicine. Los Angeles. (invited lecture) 2006 (May)
295. Longitudinal Lung Function Analysis. American College of Occupational and Environmental Medicine. Los Angeles. 2006 (May)
296. Bronchiolitis obliterans from Diacetyl: Linking Clinical and Public Health Approaches. Medical Grand Rounds-University Of California, Irvine. Santa Ana. Invited grand rounds 2006 (December)
297. Limit of Normal Decline for FEV1. American Thoracic Society. San Diego. research 2006 (May)
298. Occupational Lung Disease 1950-2050 (Richards Lecture). University of Utah. Salt Lake City. invited lecture 2007 (April)
299. Exposure group classification by computerized free text lexical analysis.. American Thoracic Society. Orlando. Research Presentation 2004
300. Effect of Fume Exposure on FEV1 in Early COPD. American Thoracic Society. Orlando. Research Presentation 2004 (May)
301. Comparison of 3 methods for assigning exposure metrics for evaluating occupation effect upon COPD.. American Thoracic Society. San Diego. Research Presentation 2005 (May)
302. Respirator Effects During Simulated Real-Life Activity: Methodology. American Thoracic Society. San Francisco. Research Presentation 2007 (May)
303. Linking Sentinel Events to Public Health Responses - System or Serendipity? Diacetyl Experience. American Thoracic Society. San Francisco. Research Presentation 2007
304. Occupational Asthma. Harbor-UCLA Med Center. Torrance CA. Invited Lecture 2007 (October)
305. Airway Diseases. SOTAC/ ACOEM Course. Vancouver, BC. Invited Lecture 2007 (October)
306. Interstitial Diseases; Surveillance. SOTAC/ ACOEM Course. Vancouver, BC. Invited Lecture 2007 (October)

307. Harber P, Wu S. What Do Occupational Preventive Medicine Physicians Actually Do? NORA Symposium 2008 (Denver); 2008
308. Harber P, Bansal S, Santiago S, D. L, Yun D, Wu S, Ng D, Liu Y. Widespread Personal Respiratory Protection (Respirators) for Epidemic and Terrorism Concerns. NORA Symposium 2008 (Denver); 2008.
309. Harber, P., S. Bansal, and S. Santiago. 2009. Factors Affecting Respirator Tolerance. Personal Protective Technology Program Stakeholders Meeting. NIOSH/ NPPTL, Pittsburgh, PA.
310. Personal Protection- Research Gaps. Institute of Medicine (IOM) - Comm on Personal Protective Technology, Pittsburgh.
311. Vulnerable & Susceptible Populations (Session organizer & speaker). ACOEM, San Diego. 2009
312. Airway Diseases (BC1). ACOEM, San Diego. 2009
313. Interstitial Lung Diseases & Surveillance (BC1). ACOEM, San Diego. 2009
314. Occupational Health Competencies. Occupational Health Nurses Tri-Association, Long Beach. 2009
315. What do we do? OMP Research. OHSTOP Assn, Irvine. 2009
316. Maier, L., L. Newman, J. Balmes, P. Harber, C. Bruton, P. Scanlon, M. Rossman, D. Cragle, and B. Richter. Development of a Beryllium Bio-Repository for Future Research. Am Thoracic Soc, San Diego. 2009.
317. Bansal, S., S. Santiago, D. Yun, S. Wu, E. Liu, F. Nguyen, and P. Harber. 2009. Interaction of Respirator (PPE) Type and Respiratory Conditions on Breathing Patterns. Am Thoracic Soc, San Diego.
318. Levine, J., and P. Harber. 2009. How Frequently Should Spirometry Be Done for Diacetyl Exposed Workers? Am Thoracic Soc, San Diego.
319. Respiratory protection-the modern paradigm. 2010. American Occupational Health Conference. Orlando.
320. Harber P. Occupational Asthma. Asthma Summit-California Department of Public Health. Los Angeles; 2010.
321. Harber P. Beryllium Disease Progression Models: Implications for Screening. : Beryllium Health and Safety Committee (DOE); Livermore, California; 2010.
322. Harber P. Occupational Asthma.. American Association of Occupational Health Nurses (Webinar); 2011 .
323. Harber P. Occupational Airway Disease. American Occupational Health Conference (Washington); 2011
324. Harber P. Occupational Medicine Practice-Empirical Data. American Occupational Health Conference (Washington); 2011
325. P. Harber, B.C. Lin , S. Wu. Lexical analysis of abstracts demonstrates occupational health perspective. American Thoracic Society, Denver, May, 2011 (research)
326. Maier LA1, Newman LS, Balmes J, Harber P, Bruton C, Scanlon PD, Rossman M, Richter BS. Development of a Beryllium Bio-Repository for Future Research. American Thoracic Society, Denver, May, 2011 (research)
327. S. Wu, P. Harber, D. Yun, S. Bansal, Y. Li, S. Santiago. Anxiety During Respirator Use: Comparison of Two Respirator Types. American Thoracic Society, Denver, May, 2011 (research)
328. Harber P. Work Related Asthma, Western Occupational Health Conference, Las Vegas, Sept, 2011
329. Harber P. Environmental Health Management Skills and Competencies. National Association of Environmental Managers. Tucson, October 2011.
330. S. Wu, P. Harber, J. Bontemps, BS. Are Occupational Pulmonary Problems Evaluated By Low Patient Volume Occupational Medicine Subspecialists? American Thoracic Society 2012
331. P Harber. Work Related Asthma Prevention American Thoracic Society 2012 (invited presentation)
332. P Harber. Respiratory Disease- Clinical Update. American Occupational Health Conference (Los Angeles); 2012
333. Surveillance for Isocyanate Exposed Workers. Isocyanates and Health: Past, Present and Future. (DC) April 2013. (Invited keynote)
334. P Harber. Respiratory Protection American Thoracic Society (Philadelphia) May, 2013 (invited presentation)
335. P Harber. Airway Disease- . American Occupational Health Conference (Orlando ); April 2013
336. P Harber. Interstitial Lung Disease . American Occupational Health Conference (Orlando ); April 2013
337. P Harber Isocyanates: Surveillance (keynote). Isocyanates and Health-past present and future (DC, April 2013)
338. P Harber Heat Stress (Overview). Western Center for Agricultural Health and Safety Annual Meeting, 013
339. P Harber Respiratory protection (invited lecture). American thoracic society international conference, May 2013
340. Occupational Lung Disease. American Occupational Health Conference, 2013 (Orlando)
341. Physical Work Measures. Institute of Medicine. (Washington, August 2014)
342. Respiratory Protection for healthcare workers. FDA/NIOSH Summit Meeting (Bethesda, May 2014)
343. Occupational Lung Disease. American Occupational Health Conference, 2014 (San Antonio)
344. Pulmonary Function Testing. Western Occupational Health Conference (San Diego, September 2014)
345. Beryllium Related Disease. Pima County Board Of Health. December 2014

346. Revere D, Leroy G, Harber P. What's the message? A NLP analysis of public health information sent by SMS. Seventeenth International Conference on Grey Literature - A new wave of textual and non-textual grey literature. Amsterdam 2015.
347. Respiratory Protection-New Challenges American Occupational Health Conference (Chicago); 2016
348. Clinical Decision Support Systems-American Occupational Health Conference (Chicago); 2016
349. Occupational Lung Disease-American Occupational Health Conference (Chicago); 2016
350. Arizona Hospital Discharge Database: Implications Of Primary And Secondary Respiratory Diagnoses For Occupational Respiratory Surveillance And Compensation-American Thoracic Society (San Francisco) 2016
351. Social Media (Twitter) for Assessing Concerns about Obstructive Airway Disease-American Thoracic Society (San Francisco) 2016
352. Occupational Medicine Practice Structure-Western Occupational Health Conference (Las Vegas) 2016
353. Silica Standard-Western Occupational Health Conference (Las Vegas) 2016
354. Alrudayan AA, AlOtaibi S, Abugad D, Harber P. Date Palm Packers Hand Dermatitis American College of Occupational and Environmental Medicine national meeting, Washington, 2017
355. Alsadah M, AlOtaibi S, Harber P. Effect of Shift Work and Effort Reward Imbalance on GI symptoms among Nurses. American College of Occupational and Environmental Medicine national meeting, Washington, 2017
356. Alshomrani A, AlOtaibi S, Harber P. How Many Peak Flow Efforts Are Needed? American College of Occupational and Environmental Medicine national meeting, Washington, 2017
- 357.
358. Badr K, Aftin A, AlOtaibi S, Harber P. Occupational Mortality among General Organization for Social Insurance (GOSI) Participants, Dammam, Eastern province, Kingdom of Saudi Arabia. American College of Occupational and Environmental Medicine national meeting, Washington, 2017
359. Al Ismail H, AlOtaibi S, Harber P. Predictors of Nurse Absenteeism. American College of Occupational and Environmental Medicine national meeting, Washington, 2017
360. Al-Otaibi S, Alfulayw K, Harber P, Abugad H. Factors associated with sharp device injuries in dammam healthcare workers: implications for prevention. *Occup Environ Med* 2018;75:A20
361. Harber P. Asbestos related disease. American College of Occupational and Environmental Medicine, New Orleans (April 2018)
362. P. Occupational airway disease. American College of Occupational and Environmental Medicine, New Orleans (April 2018)
363. P. Pneumoconioses. American College of Occupational and Environmental Medicine, New Orleans (April 2018)
364. P. Occupational metal respiratory disease. American College of Occupational and Environmental Medicine, New Orleans (April 2018)

## **LECTURES AND PRESENTATIONS (On-campus)**

365. Harber P. Occupational Interstitial Disease (Invited Lecture). American Occupational Health Conference (Washington); 2011 Physiologic Effects of Respirators. Kettering Institute Seminar; April. 1980
366. A Stochastic Model of Lung Cancer Progression. University of Cincinnati Bio-mathematical Model Seminars; October. 1980
367. Air Pollution. University of Cincinnati Medical College, 2nd year class; November. 1980
368. Spirometry: Standards and Equipment. Seminar series in Clinical Epidemiology. University of Cincinnati. Lecture include: Rates; Models of exposure; P-value and significance; Clinical traits; Hypothesis generation: PMR and Decision analysis. Presented three times as part of NIOSH/University of Cincinnati Spirometry Course. 1980-81
369. Lung and Environment Course (For physicians and hygienists). Topics include: Asbestos; Respiratory Disability; Respirators; Work Ability; Occupational Lung Cancer; Air Pollutants. University of Cincinnati. 1980-81
370. Occupational Lung Disease. Department of Medicine, Noon Conference, UCLA; February. 1982
371. Occupational air pollutants (2 hours). UCLA School of Public Health; March. 1982
372. Occupational Lung Disease: Epidemiologic Methods. UCLA School of Public Health, Epidemiology Division; May. 1982
373. Respiratory Disability. UCLA Pulmonary Fellows Conference; June. 1982



374. Making Work Safe. UCLA Allied Health Programs; June. 1982
375. Asbestos Related Lung Disease. UCLA Medical Grand Rounds; September. 1982
376. Occupational and Environmental Lung Cancer. UCLA Pulmonary Fellows Conference; September. 1982
377. Role of Occupational Medicine. UCLA School of Public Health; October. 1982
378. Occupational Lung Disease. UCLA School of Public Health; October. 1982
379. Workers' Compensation. UCLA School of Nursing; November. 1982
380. Assessment of Occupational Disability. UCLA Department of Medicine; May. 1983
381. Environment and Health. UCLA Department of Geology; May. 1983
382. Occupational Asthma and Allergic Disorders. Center for interdisciplinary research in Immunology and Diseases; June. 1983
383. Defining "Normality" I. UCLA Pulmonary Conference; June. 1983
384. Defining "Normality" II. UCLA Pulmonary Conference; June. 1983
385. Role of occupational medicine. UCLA School of Public Health; October. 1983
386. Occupational lung disease. UCLA School of Public Health; October. 1983
387. What is "Normal" Pulmonary Function? UCLA; January and February. 1984
388. Occupational/Environmental Lung Disease. Pathophysiology of Disease Core Course. UCLA School of Medicine; February. 1984
389. Respiratory disease. UCLA Nurse/Practitioner Program; February. 1984
390. Occupational Health. (Public Health 256). Lectures include: Occupational Lung Disease; Occupational Lung Disease Due to Organics; Hematologic, Immunologic and Cardiac Effects; Ergonomics, Management of the Worker With Disease. 1984
391. Advanced industrial pulmonary function testing. UCLA (course chair). Lectures given: Introduction: What is normal function? When to contract, Handling spirometry data; Should you use published normals or develop your own standards? 1984
392. Occupational medicine. UCLA Pulmonary Fellows Lecture Series; August. 1984
393. Normality (pulmonary function). UCLA Respiratory Physiology Conference; August. 1984
394. Respiratory Disease. UCLA Nurse/Practitioner Program (3 hours); October. 1984
395. Decision and Analysis. UCLA Pulmonary Research Seminar; October. 1984
396. Asbestos -- Diseases. UCLA Pulmonary Fellows Conference; October. 1984
397. Ergonomics. UCLA School of Public Health; November. 1984
398. Chemical Exposure, Clinical Approach. General Internal Medicine Conference; November. 1984
399. Respiratory Ability and Disability. UCLA Pulmonary Fellows Conference; January. 1985
400. Industrial Toxic Emergencies. UCLA Emergency Medicine Center Grand Rounds; February. 1985
401. Occupational Health (Public Health 256). Lectures include: Lung diseases – Inorganics; Asthma and Hypersensitivity Disease, Immunologic Diseases, Hematologic and Cardiac Disease; 1985
402. Hospitals -- a dangerous place to work (invited lecture). UCLA Allied Health Programs; May. 1985
403. Occupational lung disease. UCLA Pulmonary Conference; August. 1985
404. Pulmonary disease. UCLA Nurse/Practitioner Course (4 hours); October. 1985
405. Ergonomics. UCLA School of Public Health; November. 1985
406. What is normal lung function? UCLA Pulmonary Physiology Conference; December. 1985
407. Toxic hazards in the hospital. UCLA Allied Health Programs; January. 1986
408. Respiratory surveillance: opportunities and risks. UCLA Occupational Medicine Seminar; January. 1986
409. Hazards of jewelry industry. UCLA/SOHC Conference; February. 1986
410. Immunologic environmental lung disease. UCLA Pulmonary Conference; March. 1986
411. Occupational asthma. UCLA Pulmonary Division; April. 1986
412. Occupational medicine. UCLA Pulmonary Fellows Lecture; July. 1986
413. Defining Normal Lung Function. UCLA Pulmonary Physiology Series; September. 1986
414. Respirator research. UCLA Pulmonary Research Series; September. 1986
415. Occupational health research. UCLA School of Nursing; October. 1986
416. Pulmonary Diseases. UCLA Nurse/Practitioner Program, School of Nursing; October. 1986
417. Ergonomics and Cumulative Trauma. UCLA School of Public Health; November. 1986
418. Identifying occupational disease. UCLA School of Public Health, November. 1986
419. Occupational Health (Public Health 256), Lectures include: Occupational Asthma, Immunologic Disease, Asbestos, Non-Asbestos Silicates, Silica, Coal and other Pneumoconioses. 1986

420. Occupational lung diseases (6 lectures). UCLA School of Public Health; Winter. 1987
421. Preplacement testing -- practical and ethical concerns. UCLA Occupational Medicine Seminar; February. 1987
422. Occupational lung disease. UCLA Sophomore Medical School Lecture; February 1987,
423. Occupational lung disease. UCLA Medical School Pathophysiology of Pulmonary Disease course; February. 1988
424. Occupational lung disease. UCLA House staff Series; May. 1988
425. What is normal lung function? UCLA Pulmonary Physiology Series; May. 1988
426. Pathophysiology of Occupational Lung Disease. Wadsworth VA Hospital/UCLA; August. 1988
427. Occupational Health (Public Health 256), Lectures include: Introduction; Ergonomics; asbestos; Asthma; Pulmonary disease; Immunologic disease. 1988
428. Pathophysiology of Disease (Medicine 202): Occupational Lung Disease; February. 1989
429. Clinical aspects of occupational lung disease. UCLA School of Public Health 126; Fall. 1989
430. Occupational Rheumatology. UCLA Rheumatology Division; September. 1989
431. Occupational Health (Public Health 256). Lectures include: Introduction; Asthma and immunologic Disease; Ergonomics, Noise and Hearing Conservation; Winter. 1989
432. Defining normality of lung function. UCLA Pulmonary Physiology Series; January. 1990
433. Pathophysiology of Disease (Medicine 202). Occupational Lung Disease; February. 1990
434. Occupational Health (Public Health 256), Lectures include: Introduction; Ergonomics; Lung Function; Physical Environment: Heat; Physical Environment: Noise; Asbestos Disease; Occupational Asthma and Immune Responses; Winter. 1990
435. Epidemiology of occupational respiratory disease. Occupational epidemiology course, School of Public Health; May. 1990
436. Public Health 156: Lectures include: Clinical Approach to Ergonomics; Fall. 1990
437. Pathophysiology of Disease: Environmental Lung Disease; February. 1991
438. Occupational Disease (Environmental Health 256), Numerous lectures; Winter. 1991
439. Clinical Approaches. Public Health 156; November. 1991
440. Pathophysiology of Disease: Environmental Lung Disease; February. 1992
441. Environmental Health Sciences 250, Lectures: Clinical approaches to Occupational Health and Ergonomics; fall. 1992
442. marketing of ergonomic services and products: truth in advertising? UCLA Occupational Medicine Seminar; January. 1993
443. Pathophysiology of environmental lung disease. Second year medical school; February. 1993
444. Environmental Asthma. UCLA Allergy and Immunology seminar; September. 1993
445. Environmental Health Sciences 250: Occupational health systems. Occupational medicine; October. 1993
446. Asbestosis. Pulmonary Seminar; October. 1993
447. Pathophysiology of Environmental Lung Disease. UCLA School of Medicine (2nd year curriculum); February. 1994
448. Pathophysiology of Environmental Lung Disease. UCLA School of Medicine (2nd year curriculum); February. 1995
449. Occupational Data for Interpreting Risk Assessments (Invited lecture). Southern California Chapter, Society for Risk Assessment in Los Angeles; May. 1994
450. Occupational Medicine. EHS 250, School of Public Health; November. 1994
451. Occupational Medicine. EHS 250, School of Public Health; October. 1995
452. Pathophysiology of Environmental Lung Disease. UCLA School of Medicine (2nd year curriculum); February. 1996
453. Introduction to Occupational Medicine. Lectures on topics including ergonomics, respiratory disease, ADA, noise/hearing, screening theory, organization of services, toxic effects, heat stress, risk communication. EHS 251, School of Public Health; Winter Quarter. 1994
454. Introduction to Occupational Medicine. Lectures on topics including ergonomics, respiratory disease, ADA, noise/hearing, screening theory, organization of services, toxic effects heat stress, risk communication. EHS 251, School of Public Health; Winter Quarter. 1995
455. Atomic approach to dis/ability assessment. UCLA Occupational and Environmental Seminar; March. 1995

456. Ergonomics: Overall Job Demand. 1996 Winter-Spring UCLA Environmental and Occupational Medicine Seminar; January. 1996
457. Practice Opportunities in Occupational Medicine. UCLA Family Practice; February. 1996
458. Respirators: Medical Aspects. 1996 Winter-Spring UCLA Environmental and Occupational Medicine Seminar; April. 1996
459. Introduction to Occupational Medicine. Lectures on topics including: ergonomics, Respiratory disease, ADA, noise/hearing, screening theory, organization of services, toxic effects, heat stress. EHS 251, School of Public Health; Winter Quarter. 1996
460. Occupational Asthma. UCLA Pulmonary Series; April. 1996
461. Asbestos Related Disease. UCLA Pulmonary Series; June. 1996
462. Occupational Medicine: An Overview. UCLA Family Practice; July. 1996
463. Environmental Exposures. UCLA Family Practice (Grand Rounds); August. 1996.
464. Occupational Medicine. EHS 250, School of Public Health; October. 1996
465. Introduction to Occupational Medicine. EHS 251, School of Public Health; Winter Quarter. Lectures on topics including ergonomics, respiratory disease, ADA, noise/hearing, Screening theory, organization of services, toxic effects, heat stress, risk communication. 1996
466. Carpal Tunnel Syndrome. UCLA Family Medicine (Grand Rounds); November. 1996.
467. Occupational Health: Current Context. 1997 UCLA Environmental-Occupational Medicine Seminar; January. 1997
468. Computer Approaches to Link Clinical and Public Health Occupational Medicine. 1997 UCLA Environmental - Occupational Medicine Seminar; March. 1997
469. Rehabilitation and Accommodation of Workers. UCLA Family Medicine Lecture; March 1997.
470. Overview of occupational medicine. UCLA Family Medicine Lecture; July. 1997
471. Occupational Health Care Systems. Environmental Health Science course (EHS 251); October. 1997
472. Introduction to Occupational Medicine. EHS 251, School of Public Health (Quarter course: Includes 30 hrs of lecture, including 24 by Harber, P); Winter Quarter. 1998
473. Overview of Occupational Health Delivery Systems. UCLA Occupational Medicine Seminar Series; February. 1998
474. Occupational Lung Disease. Pathophysiology of Disease Course (2nd yr medical students); February 1998
475. Occupational Medicine Approaches. UCLA Internal Medicine (house staff); September. 1998
476. Computers in Occupational Health: Friend or Foe? UCLA Occupational Medicine Seminar Series; April. 1998
477. Occupational Medicine Systems. UCLA Family Medicine Grand Rounds; November. 1998
478. Occupational Health Systems. UCLA Preventive Medicine May. 2000
479. Determinants Of Work Loss Due To Back Pain. UCLA Occup. Med Seminar; May. 2000
480. Workers Compensation. UCLA Family Medicine Grand Rounds; October. 2000
481. Organizational Structure & Workplace Stress. UCLA Family Medicine Grand Rounds; July. 2000
482. Occupational Medicine: Overview: Occupational Asthma, Ergonomics: Maximal Lift Equations, and Surveillance: An Overview. UCLA Occupational - Environmental Medicine Core Series; fall. 2000
483. Pathophysiology of occupational lung disease ( second-year medical student course2001-02 Occupational – Environmental Medicine Core Series: (Asbestos; Causation) 2001 ( February )
484. Pathophysiology of occupational lung disease ( second-year medical student course2002 ( February )
485. asbestos; occupational history
486. occupational medicine core series2002 (September- December)
487. Pathophysiology of occupational lung disease ( second-year medical student course) 2003 ( February )
488. Occupational Medicine Overview (Family Medicine Residents) 2003 (December)
489. (Environmental Health Sciences 251a, each two hours):
490. ergonomics 2003 (April-June)
491. occupational asthma
492. occupational health surveillance methods
493. organization of occupational health services

494. (Environmental Health Sciences 251a, each two hours) Overview of occupational- environmental medicine ; organization of occupational health services ; occupational health surveillance methods ; occupational asthma 2003 ( January- March)
495. Overview of occupational- environmental medicine (Environmental Health Sciences 251a, each two hours): 2004 ( January- March)
496. The indoor environment
497. cultural competency overview
498. heat & cold
499. solvents
500. respiratory protection
501. Occupational Asthma (EHS 251 course) 2004 (January)
502. Pathophysiology of occupational lung disease ( second-year medical student course) 2004 ( February ):
503. Occupational Lung Disease. UCLA Pulmonary Division 2004 (Sept).
504. Structure of Occupational Medicine Services in U.S.. UCLA, November, 2004
505. Pulmonary Function Testing I. UCLA, November, 2004
506. Pulmonary Function Testing II. UCLA, November, 2004
507. Organization of Occupational and Preventive Services. UCLA 2005.Jan, 2005.
508. Causation and Apportionment. UCLA 2005.Jan, 2005
509. Heat Stress. EHS Course. 2006 (Feb)
510. Occupational Asthma. EHS Course. campus. Course 2006 (Feb)
511. Occup Lung Disease. EHS Course. 2006 (Jan)
512. Scope of Occupational Medicine. EHS Course. 2006 (Jan)
513. Solvents. EHS Course. 2006 (March)
514. Risk Communication. EHS Course. campus. Course 2006 (March)
515. Radiologic Surveillance. Seminar. 2006 (September)
516. Occupational Health Surveillance. EHS Course. 2007 (Feb)
517. Asbestos and Other Fibers. EHS Course. 2007 (Feb)
518. Scope and Organization of occupational preventive medicine. EHS Course. 2007 (Jan)
519. Solvents and Beryllium. EHS Course. 2007 (Feb)
520. Ability and Disability. EHS Course. 2007 (March)
521. Noise and Heat. EHS Course. 2007 (March)
522. Workers Compensation Guidelines Development. Seminar. 2007 (April)
523. Occupational Lung Disease. Pulmonary Division. UCLA. invited lecture 2007 (September)
524. Bronchiolitis Obliterans Flavoring Products. Pulmonary Division. UCLA. Invited Lecture 2007 (October)
525. Lectures: Structure of Occupational Healthcare Systems, Asbestos, Health & Hazard Surveillance, Airway Diseases, Solvents, Ergonomics, Thermal Stress, Exposure Models. Prevention of Disease in Workers and Workplaces Course, 2010. UCLA; 2010.
526. Respirators. Univ of Arizona. April 2012
527. Skills and Activities of Occup Health Professionals. Univ of Arizona. December 2012
528. Occupational Health Informatics, University Of Arizona, October 2014.
529. Work-Related Airway Disease. University Of Arizona Department of Medicine/Pulmonary. December 2014
530. Respiratory Impairment and Disability. University Of Arizona Department of Medicine/Pulmonary. January 2015
531. Crowdsourcing data input. University of Arizona Department of Medicine. March 2015
532. Occupational Medicine Course Topics (>30 lectures). Univ Arizona, 2015-16
533. History of Occupational Medicine, University of Arizona Public Health. 2016
534. Work Related Asthma, Banner-University Allergy-Immunology Program, 2016
535. Occupational Toxicology, University Of Arizona Clinical Toxicology Program, 2016
536. Occupational Medicine Course Topics (>20 lectures). Univ Arizona, 2015-16
- Occupational Medicine Course Lectures. Univ Arizona, Fall 2016-Spring 2017:
  537. Impairment rating
  538. Medical report writing
  539. Occupational dermatology

- 540. Occupational health system
- 541. Preventive matrix (program design)
- 542. Occupational lung disease overview
- 543. Pneumoconioses
- 544. Heat and cold
- 545. Pulmonary function interpretation
- 546. Work related asthma
- 547. Noise and Hearing
- 548. Solvents
- 549. Regulations
- 550. Graphing methods-Fitness and accommodation
- 551. Shoulder
- 552. Introduction to causation
- 553. Respiratory protection
- 554. Estimating exposure
- 555. Reproductive hazards
- 556. Job exposure matrix
- 557. Intro to impairment rating
- 558. Cost-effectiveness
- 559. Workplace social environment
- 560. Causation & apportionment
- 561. Rating and apportionment
- 562. Medical aspects of air pollution
- 563. Integrating science, policy, and clinic
- 564. Hands and hand ergonomics
- 565. Site visits: UA Mirror Lab, Simulation Center/ ASTEC, Agriculture Center
- 566. Respiratory Protection. UA College of Medicine (2nd year curriculum), April 2018.