9. REFERENCES

Abi Esper L, El-Fadel M, Nuwayhid I, et al. 2007a. The effect of different ventilation modes on in-vehicle carbon monoxide exposure. Atmos Environ 41:3644-3657.

*Abi Esper L, El-Fadel M, Shihadeh A. 2007b. Comparison of trip average in-vehicle and exterior CO determinations by continuous and grab sampling using an electrochemical sensing method. Atmos Environ 41:6087-6094.

Abram SR, Hodnett BL, Summers RL, et al. 2007. Quantitative circulatory physiology: An integrative mathematical model of human physiology for medical education. Adv Physiol Educ 31:202-210.

ACGIH. 2008. Carbon monoxide. In: Threshold limit values for chemical substances and physical agents and biological exposure indices. Cincinnati, OH: American Conference of Governmental Industrial Hygienists.

Adams KF, Koch G, Chatterjee B, et al. 1988. Acute elevation of blood carboxyhemoglobin to 6% impairs exercise performance and aggravates symptoms in patients with ischemic heart disease. J Am Coll Cardiol 12(4):900-909.

Adinolfi M. 1985. The development of the human blood-CSF-brain barrier. Dev Med Child Neurol 27(4):532-537.

Adir Y, Merdler A, Haim SB, et al. 1999. Effects of exposure to low concentrations of carbon monoxide on exercise performance and myocardial perfusion in young healthy men. Occup Environ Med 56:535-538.

Adlercreutz H. 1995. Phytoestrogens: Epidemiology and a possible role in cancer protection. Environmental Health Perspectives Supplement 103(7):103-112.

Agency for Toxic Substances and Disease Registry. 1989. Decision guide for identifying substance-specific data needs related to toxicological profiles; Notice. Fed Regist 54(174):37618-37634.

Agency for Toxic Substances and Disease Registry. 2000. Toxicological profile for methylene chloride. Agency for Toxic Substances and Disease Registry. http://www.atsdr.cdc.gov/toxprofiles/tp14.pdf. June 11, 2009.

Agency for Toxic Substances and Disease Registry. 2005. Toxicological profile for carbon tetrachloride. Agency for Toxic Substances and Disease Registry. http://www.atsdr.cdc.gov/toxprofiles/tp30.pdf. June 11, 2009.

AIHA. 2008. Emergency Response Planning Guidelines (ERPG). Fairfax, VA: American Industrial Hygiene Association. http://www.aiha.org/1documents/Committees/ERP-erpglevels.pdf. May 19, 2009.

Alcantara RE, Xu C, Spiro TG, et al. 2007. A quantum-chemical picture of hemoglobin affinity. Proc Natl Acad Sci USA 104(47):18451-18455.

---

* Not cited in text

Alcaraz MJ, Fernandez P, Guillen MI. 2003. Anti-inflammatory actions of the heme oxygenase-1 pathway. Curr Pharm Des 9:2541-2551.

Allred EN, Bleecker ER, Chaitman BR, et al. 1989. Short-term effects of carbon monoxide exposure on the exercise performance of subjects with coronary artery disease. N Engl J Med 321(21):1426-1432.

Allred EN, Bleecker ER, Chaitman BR, et al. 1991. Effects of carbon monoxide on myocardial ischemia. Environ Health Perspect 91:89-132.

Alonso J, Cardellach F, Lopez S, et al. 2003. Carbon monoxide specifically inhibits cytochrome c oxidase of human mitochondrial respiratory chain. Pharmacol Toxicol 93:142-146.

Altman PL, Dittmer DS. 1974. Total body water: Man. In: Altman PL, Dittmer DS, eds. Biological handbooks: Biology data book. Vol. III. 2nd ed. Bethesda, MD: Federation of American Societies of Experimental Biology, 1987-2008, 2041.

Andersen ME, Krishnan K. 1994. Relating *in vitro* to *in vivo* exposures with physiologically based tissue dosimetry and tissue response models. In: Salem H, ed. Animal test alternatives: Refinement, reduction, and replacement. New York, NY: Marcel Dekker Inc., 9-25.

Andersen ME, Clewell HJ, Gargas ML, et al. 1987. Physiologically based pharmacokinetics and the risk assessment process for methylene chloride. Toxicol Appl Pharmacol 87(2):185-205.

Andersen ME, Clewell HJ, Gargas ML, et al. 1991. Physiologically based pharmacokinetic modeling with dichloromethane, its metabolite, carbon monoxide, and blood carboxyhemoglobin in rats and humans. Toxicol Appl Pharmacol 108:14-27.

*Andersen ZJ, Wahlin P, Raaschou-Nielsen O, et al. 2007. Ambient particle source apportionment and daily hospital admissions among children and elderly in Copenhagen. J Expo Sci Environ Epidemiol 17:625-636.

Anderson EW, Andelman RJ, Strauch JM, et al. 1973. Effect of low-level carbon monoxide exposure on onset and duration of angina pectoris. Ann Intern Med 79:46-50.

*Anderson HR, Bremner SA, Atkinson RW, et al. 2001. Particulate matter and daily mortality and hospital admissions in the west midlands conurbation of the United Kingdom: Associations with fine and coarse particles, black smoke and sulphate. Occup Environ Med 58:504-510.

Andre L, Boissiere J, Reboul C, et al. 2010. Carbon monoxide pollution promotes cardiac remodeling and ventricular arrhythmia in healthy rats. Am J Respir Crit Care Med 181(6):587-595.

API. 1994. A study to characterize air concentrations of methyl tertiary butyl ether (MTBE) at service stations in the northeast. American Petroleum Institute. API publication number 4619.

Arbex MA, de Souza Conceicao GM, Cendon SP, et al. 2009. Urban air pollution and chronic obstructive pulmonary disease-related emergency department visits. J Epidemiol Community Health 63(10):777-783.

Arruda MA, Rossi AG, de Freitas MS, et al. 2004. Heme inhibits human neutrophil apoptosis: Involvement of phosphoinositide 3-kinase, MAPK, and NF-κB. J Immunol 173:2023-2030.

9. REFERENCES

Astrup P, Olsen HM, Trolle D, et al. 1972. Effect of moderate carbon-monoxide exposure on fetal development. Lancet 2(7789):1220-1222.

*Atkinson RW, Anderson HR, Strachan DP, et al. 1999. Short-term associations between outdoor air pollution and visits to accident and emergency departments in London for respiratory complaints. Eur Respir J 13:257-265.

Baccarelli A, Zanobetti A, Martinelli I, et al. 2007. Effects of exposure to air pollution on blood coagulation. J Thromb Haemost 5(2):252-260.

Baldauf R, Thoma E, Khlystov A, et al. 2008. Impacts of noise barriers on near-road air quality. Atmos Environ 42:7502-7507.

*Ballester F, Rodriguez P, Iniguez C, et al. 2006. Air pollution and cardiovascular admissions association in Spain: Results within the EMECAS project. J Epidemiol Comm Health 60:328-336.

Ballester F, Tenias JM, Perez-Hoyos S. 2001. Air pollution and emergency hospital admissions for cardiovascular diseases in Valencia, Spain. J Epidemiol Community Health 55:57-65.

Barnes DG, Dourson M. 1988. Reference dose (RfD): Description and use in health risk assessments. Regul Toxicol Pharmacol 8(4):471-486.

Barnett AG, Williams GM, Schwartz J, et al. 2006. The effects of air pollution on hospitalizations for cardiovascular disease in elderly people in Australian and New Zealand cities. Environ Health Perspect 114(7):1018-1023.

*Bedeschi E, Campari C, Candela S, et al. 2007. Urban air pollution and respiratory emergency visits at pediatric unit, Reggio Emilia, Italy. J Toxicol Environ Health A 70:261-265.

Bell ML, Ebisu K, Belanger K. 2007. Ambient air pollution and low birth weight in Connecticut and Massachusetts. Environ Health Perspect 115(7):1118-1124.

*Bell ML, Levy JK, Lin Z. 2008. The effect of sandstorms and air pollution on cause-specific hospital admissions in Taipei, Taiwan. Occup Environ Med 65(2):104-111.

Bell ML, Peng RD, Dominici F, et al. 2009. Emergency hospital admissions for cardiovascular diseases and ambient levels of carbon monoxide: results for 126 United States urban counties, 1999-2005. Circulation 120(11):949-955.

*Bellini P, Baccini M, Biggeri A, et al. 2007. The meta-analysis of the Italian studies on short-term effects of air pollution (MISA): Old and new issues on the interpretation of the statistical evidences. Environmetrics 18:219-229.

Beltran-Parrazal L, Acuna D, Ngan AM, et al. 2010. Neuroglobin, cytoglobin, and transcriptional profiling of hypoxia-related genes in the rat cerebellum after prenatal chronic very mild carbon monoxide exposure (25 ppm). Brain Res 1330:61-71.

Benignus VA. 1994. Behavioral effects of carbon monoxide: Meta analyses and extrapolations. J Appl Physiol 76(3):1310-1316

9. REFERENCES

Benignus VA. 1995. A model to predict carboxyhemoglobin and pulmonary parameters after exposure to O_2, CO_2, and CO. Aviat Space Environ Med 66(4):369-374.

Benignus VA, Annau Z. 1994. Carboxyhemoglobin formation due to carbon monoxide exposure in rats. Toxicol Appl Pharmacol 128(1):151-157.

Benignus VA, Hazucha MJ, Smith MV, et al. 1994. Prediction of carboxyhemoglobin formation due to transient exposure to carbon monoxide. J Appl Physiol 76:1739-1745.

Benignus VA, Muller KE, Malott CM. 1990. Dose-effects functions for carboxyhemoglobin and behavior. Neurotoxicol Teratol 12(2):111-118.

Benowitz NL. 1997. The role of nicotine in smoking-related cardiovascular disease. Prev Med 26:412-417.

Benowitz NL. 2003. Cigarette smoking and cardiovascular disease: Pathophysiology and implications for treatment. Prog Cardiovasc Dis 46(1):91-111.

Berger GS, ed. 1994. Epidemiology of endometriosis. In: Endometriosis: Modern surgical management of endometriosis. New York, NY: Springer-Verlag, 3-7.

Berger A, Zareba W, Schneider A, et al. 2006. Runs of ventricular and supraventricular tachycardia triggered by air pollution in patients with coronary heart disease. JOEM 48(11):1149-1158.

Berk PD, Blaschke TF, Scharschmidt BF, et al. 1976. A new approach to quantitation of the various sources of bilirubin in man. J Lab Clin Med 87(5):767-780.

Berk PD, Rodkey FL, Blaschke TF, et al. 1974. Comparison of plasma bilirubin turnover and carbon monoxide production in man. J Lab Clin Med 83(1):29-37.

Bhuyan AK, Kumar R. 2002. Kinetic barriers to the folding of horse cytochrome c in the reduced state. Biochemistry 41:12821-12834.

*Biggeri A, Baccini M, Bellini P, et al. 2005. Meta-analysis of the Italian studies of short-term effects of air pollution (MISA), 1990-1999. Int J Occup Environ Health 11(1):107-122.

Botros FT, Laniado-Schwartzman M, Abraham NG. 2002. Regulation of cyclooxygenase- and cytochrome p450-derived eicosanoids by heme oxygenase in the rat kidney. Hypertension 39:639-644.

*Botter DA, Jorgensen B, Peres AA. 2002. A longitudinal study of mortality and air pollution for Sao Paulo, Brazil. J Expo Anal Environ Epidemiol 12(5):335-343.

*Braga AL, Saldiva PH, Pereira LA, et al. 2001. Health effects of air pollution exposure on children and adolescents in Sao Paulo, Brazil. Pediatr Pulmonol 31(2):106-113.

Brauer M, Lencar C, Tamburic L, et al. 2008. A cohort study of traffic-related air pollution impacts on birth outcomes. Environ Health Perspect 116(5):680-686.

*Bremner SA, Anderson HR, Atkinson RW, et al. 1999. Short-term associations between outdoor air pollution and mortality in London 1992-4. Occup Environ Med 56(4):237-244.

9. REFERENCES

Brown SD, Piantadosi CA. 1992. Recovery of energy metabolism in rat brain after carbon monoxide hypoxia. J Clin Invest 89:666-672.

Brown DB, Mueller GL, Golich FC. 1992. Hyperbaric oxygen treatment for carbon monoxide poisoning in pregnancy: A case report. Aviat Space Environ Med 63:1011-1014.

Bruce EN, Bruce MC. 2003. A multicompartment model of carboxyhemoglobin and carboxymyoglobin responses to inhalation of carbon monoxide. J Appl Physiol 95:1235-1247.

Bruce MC, Bruce EN. 2006. Analysis of factors that influence rates of carbon monoxide uptake, distribution, and washout from blood and extravascular tissues using a multicompartment model. J Appl Physiol 100:1171-1180.

Bruce EN, Bruce MC, Erupaka K. 2008. Prediction of the rate of uptake of carbon monoxide from blood by extravascular tissues. Respir Physiol Neurobiol 161(2):142-159.

Bruinen De Bruin Y, Carrer P, Jantunen M, et al. 2004a. Personal carbon monoxide exposure levels: Contribution of local sources to exposures and microenvironment concentrations in Milan. J Expo Anal Environ Epidemiol 14:312-322.

Bruinen De Bruin Y, Hanninen O, Carrer P, et al. 2004b. Simulation of working population exposures to carbon monoxide using EXPOLIS-Milan microenvironment concentration and time-activity data. J Expo Anal Environ Epidemiol 14:154-163.

Brune B, Ullrich V. 1987. Inhibition of platelet aggregation by carbon monoxide is mediated by activation of guanylate cyclase. Mol Pharmacol 32(3):497-504.

Brvar M, Mozina H, Osredkar J, et al. 2004. S100B protein in carbon monoxide poisoning: A pilot study. Resuscitation 61:357-360.

Buckley NA, Juurlink DN, Isbister G, et al. 2011. Hyperbaric oxygen for carbon monoxide poisoning. Cochrane Database Syst Rev (4):CD002041.

Burge CM, Skinner SL. 1995. Determination of hemoglobin mass and blood volume with CO: Evaluation and application of a method. J Appl Physiol 79(2):623-631.

Burmester T, Weich B, Reinhardt S, et al. 2000. A vertebrate globin expressed in the brain. Nature 407(6803):520-523.

*Burnett RT, Brook J, Dann T, et al. 2000. Association between particulate- and gas-phase components of urban air pollution and daily mortality in eight Canadian cities. Inhal Toxicol 12(Suppl 4):15-39.

*Burnett RT, Smith-Doiron M, Stieb D, et al. 1999. Effects of particulate and gaseous air pollution on cardiorespiratory hospitalizations. Arch Environ Health 54(2):130-139.

Burnett RT, Smith-Doiron M, Stieb D, et al. 2001. Association between ozone and hospitalization for acute respiratory diseases in children less than 2 years of age. Am J Epidemiol 153(5):444-452.

Burnett RT, Stieb D, Brook JR, et al. 2004. Associations between short-term changes in nitrogen dioxide and mortality in Canadian cities. Arch Environ Health 59(5):228-236.

Cagiano R, Ancona D, Cassano T, et al. 1998. Effects of prenatal exposure to low concentrations of carbon monoxide on sexual behaviour and mesolimbic dopaminergic function in rat offspring. Br J Pharmacol 125:909-915.

Cairns J, Denhardt DT. 1968. Effect of cyanide and carbon monoxide on the replication of bacterial DNA *in vivo*. J Mol Biol 36:335-342.

*Cakmak S, Dales RE, Blanco Vidal C. 2007. Air pollution and mortality in Chile: Susceptibility among the elderly. Environ Health Perspect 115(4):524-527.

Cakmak S, Dales RE, Judek S. 2006. Do gender, education, and income modify the effect of air pollution gases on cardiac disease? JOEM 48(1):89-94.

Campbell ME, Benson BA, Muir MA. 1995. Urban air quality and human health: A Toronto perspective. Can J Public Health 86(5):351-357.

Canova C, Torresan S, Simonato L, et al. 2010. Carbon monoxide pollution is associated with decreased lung function in asthmatic adults. Eur Respir J 35(2):266-272.

Caravati EM, Adams CJ, Joyce SM, et al. 1988. Fetal toxicity associated with maternal carbon monoxide poisoning. Ann Emerg Med 17(7):714-717.

Carlsson GH, Nicholls P, Svistunenko D, et al. 2005. Complexes of horseradish peroxidase with formate, acetate and carbon monoxide. Biochemistry 44:635-642.

Carmines EL, Rajendran N. 2008. Evidence for carbon monoxide as the major factor contributing to lower fetal weights in rats exposed to cigarette smoke. Toxicol Sci 102(2):383-391.

Carratu MR, Cagiano R, Desantis S, et al. 2000a. Prenatal exposure to low levels of carbon monoxide alters sciatic nerve myelination in rat offspring. Life Sci 67:1759-1772.

Carratu MR, Cagiano R, Tattoli M, et al. 2000b. Prenatal exposure model simulating CO inhalation in human cigarette smokers: Sphingomyelin alterations in the rat sciatic nerve. Toxicol Lett 117(1-2):101-106.

Carratu MR, Renna G, Giustino A, et al. 1993. Changes in peripheral nervous system activity produced in rats by prenatal exposure to carbon monoxide. Arch Toxicol 67:297-301.

Carraway MS, Ghio AJ, Suliman HB, et al. 2002. Carbon monoxide promotes hypoxic pulmonary vascular remodeling. Am J Physiol Lung Cell Mol Physiol 282:L693-L702.

Castillo A, Llapur CJ, Martinez T, et al. 2006. Measurement of single breath-hold carbon monoxide diffusing capacity in healthy infants and toddlers. Pediatr Pulmonol 41(6):544-550.

CDC. 2005. NIOSH health hazard evaluation report. Glen Canyon National Recreation Area Arizona and Utah. HETA#2002-0325-2956, HETA#2000-0400-2956. www.cdc.gov/niosh/hhe/reports/pdfs/2000-0400-2956.pdf. May 24, 2012.

CDC. 2006. Carbon monoxide poisonings after two major hurricanes-Alabama and Texas, August-October 2005. MMWR 55(09):236-2239. www.cdc.gov/mmwr/preview/mmwrhtml/mm5509a4.htm. May 24, 2012.

CDC. 2007. Carbon monoxide-related deaths-United States, 1999-2004. Morb Mortal Wkly Rep 56(50):1309-1312. http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5650a1.htm. August 5, 2009.

CDC. 2008. Nonfatal, unintentional, non fire-related carbon monoxide exposures United States, 2004-2006. JAMA 300(20):2362-2363.

Chakraborty S, Balakotalah V, Bidani A. 2004. Diffusing capacity reexamined: Relative roles of diffusion and chemical reaction in red cell uptake of O_2, CO, CO_2, and NO. J Appl Physiol 97:2284-2302.

Chambers CA, Hopkins RO, Weaver LK, et al. 2008. Cognitive and affective outcomes of more severe compared to less severe carbon monoxide poisoning. Brain Inj 22(5):387-395.

Chan C, Chuang K, Chien L, et al. 2006. Urban air pollution and emergency admissions for cerebrovascular diseases in Taipei, Taiwan. Eur Heart J 27:1238-1244.

Chan C, Chuang K, Su T, et al. 2005. Association between nitrogen dioxide and heart rate variability in susceptible population. Eur J Cardiovasc Prev Rehabil 12:580-586.

Chang C, Tsai S, Ho S, et al. 2005. Air pollution and hospital admissions for cardiovascular disease in Taipei, Taiwan. Environ Res 98:114-119.

Chang LT, Koutrakis P, Catalano PJ, et al. 2000. Hourly personal exposures to fine particles and gaseous pollutants–results from Baltimore, Maryland. J Air Waste Manag Assoc 50(7):1223-1235.

Chen GD, Fechter LD. 1999. Potentiation of octave-band noise induced auditory impairment by carbon monoxide. Hear Res 132(1-2):149-159.

Chen H, Namedo A, Bell M. 2008. Classification of road traffic and roadside pollution concentrations for assessment of personal exposure. Environ Modell Software 23:282-287.

*Chen L, Jennison BL, Yang W, et al. 2000. Elementary school absenteeism and air pollution. Inhal Toxicol 12:997-1016.

Chen L, Yang W, Jennison BL, et al. 2002. Air pollution and birth weight in Northern Nevada, 1991-1999. Inhal Toxicol 14(2):141-157.

Chen PC, Lai YM, Chan CC, et al. 1999. Short-term effect of ozone on the pulmonary function of children in primary school. Environ Health Perspect 107(11):921-925.

*Cheng M, Tsai S, Wu T, et al. 2007. Air pollution and hospital admissions for pneumonia in a tropical city: Kaohsiung, Taiwan. J Toxicol Environ Health A 70:2021-2026.

Chevalier RB, Krumholz RA, Ross JC. 1966. Reaction of nonsmokers to carbon monoxide inhalation. Cardiopulmonary responses at rest and during exercise. JAMA 198(10):1061-1064.

*Cho B, Choi J, Yum Y. 2000. Air pollution and hospital admissions for respiratory disease in certain area of Korea. J Occup Health 42:185-191.

9. REFERENCES

*Chock DP, Winkler SL, Chen C. 2000. A study of the association between daily mortality and ambient air pollutant concentrations in Pittsburgh, Pennsylvania. J Air Waste Manage Assoc 50:1481-1500.

Choi IS. 2001. Carbon monoxide poisoning: Systemic manifestations and complications. J Korean Med Sci 16(3):253-261.

Choi IS. 2002. Parkinsonism after carbon monoxide poisoning. Eur Neurol 48:30-33.

*Cifuentes LA, Vega J, Kopfer K, et al. 2000. Effect of the fine fraction of particulate matter versus the coarse mass and other pollutants on daily mortality in Santiago, Chile. J Air Waste Manage Assoc 50:1287-1298.

Clark NA, Demers PA, Karr CJ, et al. 2010. Effect of early life exposure to air pollution on development of childhood asthma. Environ Health Perspect 118(2):284-290.

Clewell HJ, Andersen ME. 1985. Risk assessment extrapolations and physiological modeling. Toxicol Ind Health 1(4):111-131.

Coburn RF. 1970a. Enhancement by phenobarbital and diphenylhydantoin of carbon monoxide production in normal man. N Engl J Med 283(10):512-515.

*Coburn RF. 1970b. The carbon monoxide body stores. Ann N Y Acad Sci 174:11-22.

Coburn RF, Mayers LB. 1971. Myoglobin oxygen tension determined from measurements of carboxymyoglobin in skeletal muscle. Am J Physiol 220:66-74.

Coburn RF, Blakemore WS, Forster RE. 1963. Endogenous carbon monoxide production in man. J Clin Invest 42(7):1172-1178.

Coburn RF, Forster RE, Kane PB. 1965. Considerations of the physiological variables that determine the blood carboxyhemoglobin concentration in man. J Clin Invest 44(11):1899-1910.

Coburn RF, Williams WJ, Forster RE. 1964. Effect of erythrocyte destruction on carbon monoxide production in man. J Clin Invest 43(6):1098-1103.

*Conceicao GM, Miraglia SGEK, Kishi HS, et al. 2001. Air pollution and child mortality: A time-series study in Sao Paulo, Brazil. Environ Health Perspect 109(Suppl 3):347-350.

Conrad R, Seiler W. 1988. Influence of the surface microlayer on the flux of nonconservative trace gases (CO, H2, CH4, N2O) across the ocean-atmosphere interface. J Atmos Chem 6:83-94.

Cramer CR. 1982. Fetal death due to accidental maternal carbon monoxide poisoning. J Toxicol Clin Toxicol 19(3):297-301.

Cronje FJ, Carraway MS, Freiberger JJ, et al. 2004. Carbon monoxide actuates O2-limited heme degradation in the rat brain. Free Radic Biol Med 37(11):1802-1812.

Dadvand P, Rankin J, Rushton S, et al. 2011. Ambient air pollution and congenital heart disease: A register-based study. Environ Res 111(3):435-441.

9. REFERENCES

Dahms TE, Younis LT, Wiens RD, et al. 1993. Effects of carbon monoxide exposure in patients with documented cardiac arrhythmias. J Am Coll Cardiol 21(2):442-450.

Dales R. 2004. Ambient carbon monoxide may influence heart rate variability in subjects with coronary artery disease. JOEM 46(12):1217-1221.

D'Amico G, Lam F, Hagen T, et al. 2006. Inhibition of cellular respiration by endogenously produced carbon monoxide. J Cell Sci 119:2291-2298.

Dart RC, ed. 2004. Medical toxicology. 3rd ed. Philadelphia, PA: Lippincott Williams & Wilkins, 1208.

Davidson SB, Penney DG. 1988. Time course of blood volume change with carbon monoxide inhalation and its contribution to the overall cardiovascular response. Arch Toxicol 61:306-313.

Davies B, Morris T. 1993. Physiological parameters in laboratory animals and humans. Pharm Res 10(7):1093-1095.

Davies DM, Smith DJ. 1980. Electrocardiographic changes in healthy men during continuous low-level carbon monoxide exposure. Environ Res 21(1):197-206.

Davutoglu V, Gunay N, Kocoglu H, et al. 2006. Serum levels of NT-ProBNP as an early cardiac marker of carbon monoxide poisoning. Inhal Toxicol 18:155-158.

*de Hartog JJ, Hoek G, Peters A, et al. 2003. Effects of fine and ultrafine particles on cardiorespiratory symptoms in elderly subjects with coronary heart disease. Am J Epidemiol 157(7):613-623.

De Leon SF, Thurston GD, Ito K. 2003. Contribution of respiratory disease to nonrespiratory mortality associations with air pollution. Am J Respir Crit Care Med 167:1117-1123.

*Delfino RJ, Gong H, Jr., Linn WS, et al. 2003. Asthma symptoms in Hispanic children and daily ambient exposures to toxic and criteria air pollutants. Environ Health Perspect 111:647-656.

Delivoria-Papadopoulos M, Coburn RF, Forster RE. 1974. Cyclic variation of rate of carbon monoxide production in normal women. J Appl Physiol 36(1):49-51.

Dennekamp M, Akram M, Abramson MJ, et al. 2010. Outdoor air pollution as a trigger for out-of-hospital cardiac arrests. Epidemiology 21(4):494-500.

Denninger JW, Marletta MA. 1999. Guanylate cyclase and the NO/cGMP signaling pathway. Biochim Biophys Acta 1411(2-3):334-350.

De Salvia MA, Cagiano R, Carratu MR, et al. 1995. Irreversible impairment of active avoidance behavior in rats prenatally exposed to mild concentrations of carbon monoxide. Psychopharmacology 122:66-71.

Di Cera E, Doyle ML, Morgan MS, et al. 1989. Carbon monoxide and oxygen binding to human hemoglobin FO. Biochemistry 28(6):2631-2638.

Dioum EM, Rutter J, Tuckerman JR, et al. 2002. NPAS2: A gas-responsive transcription factor. Science 298:2385-2387.

D'Ippoliti D, Forastiere F, Ancoma C, et al. 2003. Air pollution and myocardial infarction in Rome. Epidemiology 14(5):528-535.

Dix-Cooper L, Eskenazi B, Romero C, et al. 2011. Neurodevelopmental performance among school age children in rural Guatemala is associated with prenatal and postnatal exposure to carbon monoxide, a marker for exposure to woodsmoke. Neurotoxicology:[Epub ahead of print].

Doblar DD, Santiago TV, Edelman NH. 1977. Correlation between ventilatory and cerebrovascular responses to inhalation of CO. J Appl Physiol 43(3):455-462.

Dobos K, Zimmer G. 1985. Performance of carbon monoxide-sensitive MOSFET's with metal-oxide semiconductor gates. IEEE Trans Electron Devices ED-32(7):1165-1169.

Dockery DW, Luttmann-Gibson H, Rich DQ, et al. 2005. Association of air pollution with increased incidence of ventricular tachyarrhythmias recorded by implanted cardioverter defibrillators. Environ Health Perspect 113(6):670-674.

Dolan MC. 1985. Carbon monoxide poisoning. Can Med Assoc J 133:392-399.

Dominici F, McDermott A, Daniels M, et al. 2003b. Mortality among residents of 90 cities. Revised analyses of time-series studies of air pollution and health. Special report. Health Effects Institute. http://pubs.healtheffects.org/getfile.php?u=21. October 13, 2009.

Dominici F, Sheppard L, Clyde M. 2003a. Health effects of air pollution: A statistical review. Int Stat Rev 71:243-276.

Duci A, Chaloulakou A, Spyrellis N. 2003. Exposure to carbon monoxide in the Athens urban area during commuting. Sci Total Environ 309(1-3):47-58.

Dutton SJ, Hannigan MP, Miller SL. 2001. Indoor pollutant levels from the use of unvented natural gas fireplaces in Boulder, Colorado. J Air Waste Manage Assoc 51:1654-1661.

Elkharrat E, Raphael JC, Korach JM, et al. 1991. Acute carbon monoxide intoxication and hyperbaric oxygen in pregnancy. Intensive Care Med 17(5):289-292.

Ellis HV, Hong CB, Lee CC, et al. 1985. Subchronic and chronic toxicity studies of 2,4-dinotrotoluene. Part I. Beagle Dogs. Journal of The American College of Toxicology 4(4):233-242.

Engel RR, Rodkey FL, O'Neal JD, et al. 1969. Relative affinity of human fetal hemoglobin for carbon monoxide and oxygen. Blood 33(1):37-45.

EPA. 1991. Air quality criteria for carbon monoxide. Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development. EPA600890045F.

EPA. 1997. Special report on environmental endocrine disruption: An effects assessment and analysis. Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum.

EPA. 2000. Air quality criteria for carbon monoxide. Washington, DC: U.S. Environmental Protection Agency. EPA600P66001F. http://www.epa.gov/NCEA/pdfs/coaqcd.pdf. June 9, 2009.

9. REFERENCES

EPA. 2003. National primary drinking water regulations. Washington, DC: Office of Ground Water and Drinking Water, U.S. Environmental Protection Agency. http://www.epa.gov/safewater/contaminants/index.html. May 19, 2009.

EPA. 2005. Toxic chemical release inventory reporting forms and instructions: Revised 2004 version. Section 313 of the emergency planning and community right-to-know act (Title III of the Superfund Amendments and Reauthorization Act of 1986). U.S. Environmental Protection Agency, Office of Environmental Information.

EPA. 2006a. Drinking water standards and health advisories. Washington, DC: U.S. Environmental Protection Agency, Office of Water. EPA822R04005. http://epa.gov/waterscience/criteria/drinking/. May 19, 2009.

EPA. 2006b. National recommended water quality criteria. Washington, DC: U.S. Environmental Protection Agency, Office of Water, Office of Science and Technology. http://www.epa.gov/waterscience/criteria/wqcriteria.html. May 11, 2009.

EPA. 2008. EPA's 2008 report on the environment. Washington, DC: U.S. Environmental Protection Agency. http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=190806. July 16, 2009.

EPA. 2009a. An introduction to indoor air quality. Carbon monoxide. U.S. Environmental Protection Agency. http://www.epa.gov/iaq/co.html. May 8, 2009.

EPA. 2009b. Acute exposure guideline levels (AEGLs). Washington, DC: U.S. Environmental Protection Agency. http://www.epa.gov/oppt/aegl/. May 19, 2009.

EPA. 2009c. Hazardous air pollutants. Clean Air Act. U.S. Environmental Protection Agency. United States Code. 42 USC 7412. http://www.epa.gov/ttn/atw/orig189.html. May 19, 2009.

EPA. 2009d. National Ambient Air Quality Standards (NAAQS). Washington, DC: U.S. Environmental Protection Agency, Office of Air and Radiation. http://www.epa.gov/air/criteria.html. May 19, 2009.

EPA. 2009e. Superfund, emergency planning, and community right-to-know programs. Designation, reportable quantities, and notifications. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 302.4. http://www.epa.gov/lawsregs/search/40cfr.html. May 20, 2009.

EPA. 2009f. Superfund, emergency planning, and community right-to-know programs. Toxic chemical release reporting. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 372.65. http://www.epa.gov/lawsregs/search/40cfr.html. May 11, 2009.

EPA. 2009g. Integrated science assessment for carbon monoxide-first external review draft. Research Triangle Park, NC: U.S. Environmental Protection Agency. EPA600R09019.

EPA. 2009h. 1970-2008 Average annual emissions, all criteria pollutants in MS Excel, June 2009. National Emissions Inventory (NEI) air pollutant emissions trends data. U.S. Environmental Protection Agency. http://www.epa.gov/ttn/chief/trends/index.html. June 10, 2009.

EPA. 2009i. Carbon monoxide. Query AQS Data. U.S. Environmental Protection Agency. http://www.epa.gov/aqspubl1/annual_summary.html. June 11, 2009.

EPA. 2010. Integrated science assessment for carbon monoxide. U.S. Environmental Protection Agency. EPA600R09019F. http://ofmpub.epa.gov/eims/eimscomm.getfile?p_download_id=494434. May 24, 2012.

EPA. 2012. Carbon monoxide emissions. U.S. Environmental Protection Agency. http://cfpub.epa.gov/eroe/index.cfm?fuseaction=detail.viewInd&lv=list.listBySubTopic&r=219652&subtop=341&ch=46. May 24, 2012.

Ernst A, Zibrak JD. 1998. Carbon monoxide poisoning. N Engl J Med 339(22):1603-1608.

Estabrook RW, Franklin MR, Hildebrandt AG. 1980. Factors influencing the inhibitory reactions. In: Biological effects of carbon monoxide. New York, NY: New York Academy of Sciences, 218.

*Estrella B, Estrella R, Oviedo J, et al. 2005. Acute respiratory diseases and carboxyhemoglobin status in school children of Quito, Ecuador. Environ Health Perspect 113(5):607-611.

Fabian P, Borchers R, Weiler KH, et al. 1979. Simultaneously measured vertical profiles of H_2, CH_4, CO, N_2O, $CFCl_3$, and CF_2Cl_2 in the mid-latitude stratosphere and troposphere. J Geophys Res 84(C6):3149-3154.

*Fairley D. 1999. Daily mortality and air pollution in Santa Clara County, California: 1989-1996. Environ Health Perspect 107(8):637-641.

*Farhat SCL, Paulo RLP, Shimoda TM, et al. 2005. Effect of air pollution on pediatric respiratory emergency room visits and hospital admissions. Braz J Med Biol Res 38:227-235.

Farrow JR, Davis GJ, Roy TM, et al. 1990. Fetal death due to nonlethal maternal carbon monoxide poisoning. J Forensic Sci 35(6):1448-1452.

Favory R, Lancel S, Marechal X, et al. 2006a. Cardiovascular protective role for activated protein C during endotoxemia in rats. Intensive Care Med 32:899-905.

*Favory R, Lancel S, Tissier S, et al. 2006b. Myocardial dysfunction and potential cardiac hypoxia in rats induced by carbon monoxide inhalation. Am J Respir Crit Care Med 174(3):320-325.

FDA. 2008. Everything added to food in the United States (EAFUS). Washington, DC: U.S. Food and Drug Administration. http://vm.cfsan.fda.gov/~dms/eafus.html. May 19, 2009.

Fechter LD, Annau Z. 1977. Toxicity of mild prenatal carbon monoxide exposure. Science 197(4304):680-682.

Fechter LD, Annau Z. 1980. Prenatal carbon monoxide exposure alters behavioral development. Neurobehav Toxicol 2(1):7-11.

Fechter LD, Karpa MD, Proctor B, et al. 1987a. Disruption of neostriatal development in rats following perinatal exposure to mild, but chronic carbon monoxide. Neurotoxicol Teratol 9(4):277-281.

Fechter LD, Thakur M, Miller B, et al. 1980. Effects of prenatal carbon monoxide exposure on cardiac development. Toxicol Appl Pharmacol 56(3):370-375.

Fechter LD, Thorne PR, Nuttall AL. 1987b. Effects of carbon monoxide on cochlear electrophysiology and blood flow. Hear Res 27:37-45.

Fechter LD, Young JS, Carlisle L. 1988. Potentiation of noise induced threshold shifts and hair cell loss by carbon monoxide. Hear Res 34:39-48.

FEDRIP. 2009. Carbon monoxide. Federal Research in Progress database. Springfield, VA: National Technical Information Service.

Fein A, Grossman RF, Jones JG, et al. 1980. Carbon monoxide effect on alveolar epithelial permeability. Chest 78:726-731.

Fenn WO. 1970. The burning of CO in tissues. Ann N Y Acad Sci 174(1):64-71.

*Fischer P, Hoek G, Brunekreef B, et al. 2003. Air pollution and mortality in the Netherlands: Are the elderly more at risk? Eur Respir J 21:34S-38S.

Fischer PH, Steerenberg PA, Snelder JD, et al. 2002. Association between exhaled nitric oxide, ambient air pollution and respiratory health in school children. Int Arch Occup Environ Health 75:348-353.

Fisher AB, Hyde RW, Baue AE, et al. 1969. Effect of carbon monoxide on function and structure of the lung. J Appl Physiol 26(1):4-12.

Fisher JA, Rucker J, Sommer LZ, et al. 1999. Isocapnic hyperpnea accelerates carbon monoxide elimination. Am J Respir Crit Care Med 159:1289-1292.

Florkowski CM, Rossi ML, Carey MP, et al. 1992. Rhabdomyolysis and acute renal failure following carbon monoxide poisoning: Two case reports with muscle histopathology and enzyme activities. J Toxicol Clin Toxicol 30(3):443-454.

Fomon SJ. 1966. Body composition of the infant: Part 1: The male reference infant. In: Faulkner F, ed. Human development. Philadelphia, PA: WB Saunders, 239-246.

Fomon SJ, Haschke F, Ziegler EE, et al. 1982. Body composition of reference children from birth to age 10 years. Am J Clin Nutr 35(Suppl 5):1169-1175.

*Forastiere F, Stafoggia M, Picciotto S, et al. 2005. A case-crossover analysis of out-of-hospital coronary deaths and air pollution in Rome, Italy. Am J Respir Crit Care Med 172:1549-1555.

*Forastiere F, Stafoggia M, Tasco C, et al. 2007. Socioeconomic status, particulate air pollution, and daily mortality: Differential exposure or differential susceptibility. Am J Ind Med 50:208-216.

Forster RE. 1970. Carbon monoxide and the partial pressure of oxygen in tissue. Ann N Y Acad Sci 174:233-241.

Fritsch T, Hering P, Murtz M. 2007. Infrared laser spectroscopy for online recording of exhaled carbon monoxide - a progress report. J Breath Res 1(014002):R1-R7.

Fujita T, Toda K, Karimova A, et al. 2001. Paradoxical rescue from ischemic lung injury by inhaled carbon monoxide driven by derepression of fibrinolysis. Nat Med 7(5):598-604.

*Fung KY, Khan S, Krewski D, et al. 2006. Association between air pollution and multiple respiratory hospitalizations among the elderly in Vancouver, Canada. Inhal Toxicol 18(13):1005-1011.

Fung KY, Luginaah I, Gorey KM, et al. 2005. Air pollution and daily hospital admissions for cardiovascular diseases in Windsor, Ontario. Can J Public Health 96(1):29-33.

*Fusco D, Forastiere F, Michelozzi P, et al. 2001. Air pollution and hospital admissions for respiratory conditions in Rome, Italy. Eur Respir J 17:1143-1150.

Gautier M, Antier D, Bonnet P, et al. 2007. Continuous inhalation of carbon monoxide induces right ventricle ischemia and dysfunction in rats with hypoxic pulmonary hypertension. Am J Physiol Heart Circ Physiol 293:H1046-H1052.

George C. 2001. Carbon monoxide. In: Kirk-Othmer encyclopedia of chemical technology. John Wiley & Sons, Inc. http://mrw.interscience.wiley.com/emrw/9780471238966/kirk/article/carbpier.a02/current/pdf. May 7, 2009.

Geuens E, Brouns I, Flamez D, et al. 2003. A globin in the nucleus! J Biol Chem 278:30417-30420.

Ghio AJ, Stonehuerner JG, Dailey LA, et al. 2008. Carbon monoxide reversibly alters iron homeostasis and respiratory epithelial cell function. Am J Respir Cell Mol Biol 38(6):715-723.

Gibson QH, Olson JS, McKinnie RE, et al. 1986. A kinetic description of ligand binding to sperm whale myoglobin. J Biol Chem 261(22):10228-10239.

Gilboa SM, Mendola P, Olshan AF, et al. 2005. Relation between ambient air quality and selected birth defects, seven county study, Texas, 1997-2000. Am J Epidemiol 162(3):238-252.

Giustino A, Cagiano R, Carratu MR, et al. 1993. Immunological changes produced in rats by prenatal exposure to carbon monoxide. Pharmacol Toxicol 73(5):274-278.

Giustino A, Cagiano R, Carratu MR, et al. 1999. Prenatal exposure to low concentrations of carbon monoxide alters habituation and non-spatial working memory in rat offspring. Brain Res 844:201-205.

Giustino A, Carratu MR, Brigiani GS, et al. 1994. Changes in the frequency of splenic immunocompetent cells in rats exposed to carbon monoxide during gestation. Immunopharmacol Immunotoxicol 16(2):281-292.

Giwercman A, Carlsen E, Keiding N, et al. 1993. Evidence for increasing incidence of abnormalities of the human testis: A review. Environ Health Perspect Suppl 101(2):65-71.

Gold DR, Litonjua A, Schwartz J, et al. 2000. Ambient pollution and heart rate variability. Circulation 101:1267-1273.

Gold DR, Litonjua AA, Zanobetti A, et al. 2005. Air pollution and ST-segment depression in elderly subjects. Environ Health Perspect 113(7):883-887.

*Goldberg MS, Burnett RT, Bailar JC, et al. 2001. Identification of persons with cardiorespiratory conditions who are at risk of dying from the acute effects of ambient air particles. Environ Health Perspect 109(Suppl 4):487-494.

*Goldberg MS, Burnett RT, Valois MF, et al. 2003. Associations between ambient air pollution and daily mortality among persons with congestive heart failure. Environ Res 91:8-20.

*Goldberg MS, Burnett RT, Yale JF, et al. 2006. Associations between ambient air pollution and daily mortality among persons with diabetes and cardiovascular disease. Environ Res 100:255-267.

Gordon CJ. 1990. Thermal biology of the laboratory rat. Physiol Rev 47:963-991.

Gorman D, Drewry A, Huang YL, et al. 2003. The clinical toxicology of carbon monoxide. Toxicology 187(1):25-38.

*Goss CH, Newsom SA, Schildcrout JS, et al. 2004. Effect of ambient air pollution on pulmonary exacerbations and lung function in cystic fibrosis. Am J Respir Crit Care Med 169:816-821.

*Gouveia N, Fletcher T. 2000. Time series analysis of air pollution and mortality: Effects by cause, age and socioeconomic status. J Epidemiol Community Health 54:750-755.

Gouveia N, Bremner SA, Novaes HMD. 2004. Associations between ambient air pollution and birth weight in Sao Paulo, Brazil. J Epidemiol Community Health 58:11-17.

Graham LA, Noseworthy L, Fugler D, et al. 2004. Contribution of vehicle emissions from an attached garage to residential indoor air pollution levels. J Air Waste Manage Assoc 54:563-584.

Greingor JL, Tosi JM, Ruhlmann S, et al. 2001. Acute carbon monoxide intoxication during pregnancy. One case report and review of the literature. Emerg Med J 18(5):399-401.

*Guo YL, Lin YC, Sung FC, et al. 1999. Climate, traffic-related air pollutants, and asthma prevalence in middle-school children in Taiwan. Environ Health Perspect 107(12):1001-1006.

Guzelian PS, Henry CJ, Olin SS. 1992. Similarities and differences between children and adults: Implications for risk assessment. Washington, DC: International Life Sciences and Press Institute Press, 1-283.

*Gwynn RC, Burnett RT, Thurston GD. 2000. A time-series analysis of acidic particulate matter and daily mortality and morbidity in the Buffalo, New York, region. Environ Health Perspect 108(2):125-133.

Ha EH, Hong YC, Lee BE, et al. 2001. Is air pollution a risk factor for low birth weight in Seoul? Epidemiology 12:643-648.

Ha EH, Lee JT, Kim H, et al. 2003. Infant susceptibility of mortality to air pollution in Seoul, South Korea. Pediatrics 111:284-290.

*Hajat S, Anderson HR, Atkinson RW, et al. 2002. Effects of air pollution on general practitioner consultations for upper respiratory diseases in London. Occup Environ Med 59:294-299.

*Hajat S, Haines A, Goubet SA, et al. 1999. Association of air pollution with daily GP consultations for asthma and other lower respiratory conditions in London. Thorax 54(7):597-605.

Hampson NB. 2007. Carboxyhemoglobin elevation due to hemolytic anemia. J Emerg Med 33(1):17-19.

Hampson NB, Hauff NM. 2008. Carboxyhemoglobin levels in carbon monoxide poisoning: Do they correlate with the clinical picture? Am J Emerg Med 26(6):665-669.

Hampson NB, Zmaeff JL. 2001. Outcome of patients experiencing cardiac arrest with carbon monoxide poisoning treated with hyperbaric oxygen. Ann Emerg Med 38:36-41.

Hampson NB, Rudd RA, Hauff NM. 2009. Increased long-term mortality among survivors of acute carbon monoxide poisoning. Crit Care Med 37(6):1941-1947.

Hanninen OO, Alm S, Katsouyanni K, et al. 2004. The EXPOLIS study: Implications for exposure research and environmental policy in Europe. J Expo Anal Environ Epidemiol 14:440-456.

*Hapcioglu B, Issever H, Kocyigit E, et al. 2006. The effect of air pollution and meteorological parameters on chronic obstructive pulmonary disease at an Istanbul hospital. Indoor Built Environ 15(2):147-153.

Hauck H, Neuberger M. 1984. Carbon monoxide uptake and the resulting carboxyhemoglobin in man. Eur J Appl Physiol Occup Physiol 53(2):186-190.

Hausberg M, Somers VK. 1997. Neural circulatory responses to carbon monoxide in healthy humans. Hypertension 29(5):1114-1118.

Heckerling PS, Leikin JB, Maturen A, et al. 1990. Screening hospital admissions from the emergency department for occult carbon monoxide poisoning. Am J Emerg Med 8(4):301-304.

*HEI. 2000. Daily mortality and fine and ultrafine particles in Erfurt, Germany. Part I. Role of particle numbers and particle mass. Health Effects Institute. http://publs.healtheffects.org/getfile.php?u=189. September 24, 2009.

HEI. 2005. The national morbidity, mortality, and air pollution study. Part IV. Hierarchical bivariate time-series models-a combined analysis of PM_{10} effects on hospitalization and mortality. Number 94. Health Effects Institute. http://pubs.healtheffects.org/getfile.php?u=218. August 10, 2009.

Helfaer MA, Traystman RJ. 1996. Cerebrovascular effects of carbon monoxide. In: Penny DG, ed. Carbon monoxide poisoning. New York, NY: CRC Press, 69-86.

Henrotin JB, Besancenot JP, Bejot Y, et al. 2007. Short-term effects of ozone air pollution on ischaemic stroke occurrence: A case-crossover analysis from a 10-year population-based study in Dijon, France. Occup Environ Med 64:439-445.

Herman GD, Shapiro AB, Leikin J. 1988. Myonecrosis in carbon monoxide poisoning. Vet Hum Toxicol 30(1):28-30.

Hill EP, Hill JR, Power GG, et al. 1977. Carbon monoxide exchanges between the human fetus and mother: A mathematical model. Am J Physiol 232(3):H311-H323.

Hinderliter AL, Adams KF, Price CJ, et al. 1989. Effects of low-level carbon monoxide exposure on resting and exercise-induced ventricular arrhythmias in patients with coronary artery disease and no baseline ectopy. Arch Environ Health 44(2):89-93.

*Hinwood AL, De Klerk N, Rodriguez C, et al. 2006. The relationship between changes in daily air pollution and hospitalizations in Perth, Australia 1992-1998: A case-crossover study. Int J Environ Health Res 16(1):27-46.

*Hirsch T, Weiland SK, von Mutius E, et al. 1999. Inner city air pollution and respiratory health and atopy in children. Eur Respir J 14:669-677.

*Hoek G, Brunekreef B, Fischer P, et al. 2001. The association between air pollution and heart failure, arrhythmia, embolism, thrombosis, and other cardiovascular causes of death in a time series study. Epidemiology 12:355-357.

*Hoek G, Brunekreef B, Verhoeff A, et al. 2000. Daily mortality and air pollution in the Netherlands. J Air Waste Manage Assoc 50:1380-1389.

Hoel DG, Davis DL, Miller AB, et al. 1992. Trends in cancer mortality in 15 industrialized countries, 1969-1986. J Natl Cancer Inst 84(5):313-320.

Holguin F, Tellez-Rojo MM, Hernandez M, et al. 2003. Air pollution and heart rate variability among the elderly in Mexico City. Epidemiology 14:521-527.

Hollander DI, Nagey DA, Welch R, et al. 1987. Hyperbaric oxygen therapy for the treatment of acute carbon monoxide poisoning in pregnancy. J Reprod Med 32:615-617.

Honda Y, Nitta H, Ono M. 2003. Low level carbon monoxide and mortality of persons aged 65 or older in Tokyo, Japan 1976-1990. J Health Sci 49:454-458.

Hong YC, Lee JT, Kim H, et al. 2002a. Effects of air pollutants on acute stroke mortality. Environ Health Perspect 110(2):187-191.

Hong YC, Lee JT, Kim H, et al. 2002b. Air pollution: A new risk factor in ischemic stroke mortality. Stroke 33:2165-2169.

Hong YC, Leem JH, Ha EH. 1999a. Air pollution and daily mortality in Inchon, Korea. J Korean Med Sci 14:239-244.

Hong YC, Leem JH, Ha EH, et al. 1999b. PM_{10} exposure, gaseous pollutants, and daily mortality in Inchon, South Korea. Environ Health Perspect 107(11):873-878.

Hopkins RO, Fearing MA, Weaver LK, et al. 2006. Basal ganglia lesions following carbon monoxide poisoning. Brain Inj 20(3):273-281.

Horvath SM, Bedi JF, Wagner JA, et al. 1988. Maximal aerobic capacity at several ambient concentrations of CO at several altitudes. J Appl Physiol 65(6):2696-2708.

Horvath SM, Raven PB, Dahms TE, et al. 1975. Maximal aerobic capacity at different levels of carboxyhemoglobin. J Appl Physiol 38(2):300-303.

Hosseinpoor AR, Forouzanfar MH, Yunesian M, et al. 2005. Air pollution and hospitalization due to angina pectoris in Tehran, Iran: A time-series study. Environ Res 99:126-131.

Houck JE, Crouch J, Huntley RH. 2006. Review of wood heater and fireplace emissions factors. In: 10th International Emission Inventory Conference-"One Atmosphere, One Inventory, Many Challenges" http://www.epa.gov/ttn/chief/conference/ei10/pm/houck.pdf. May 8, 2009.

HSDB. 2009. Carbon monoxide. Hazardous Substances Data Bank. National Library of Medicine. http://toxnet.nlm.nih.gov. June 9, 2009.

Hsia CC. 2002. Recruitment of lung diffusing capacity: Update of concept and application. Chest 122(5):1774-1783.

Hu S, Kincaid JR. 1992. Resonance Raman studies of the carbonmonoxy form of catalase. Evidence for and effects of phenolate ligation. FEBS Lett 314(3):293-296.

Huang SH, Chang WN, Chen SF, et al. 2011. Tc99m-sestamibi thigh SPECT/CT images for noninvasive assessment of skeletal muscle injury in carbon monoxide intoxication with clinical and pathological correlation. Clin Nucl Med 36(3):199-205.

Hugod C. 1980. The effect of carbon monoxide exposure on morphology of lungs and pulmonary arteries in rabbits. A light- and electron-microscopic study. Arch Toxicol 43:273-281.

Huynh M, Woodruff TJ, Parker JD, et al. 2006. Relationships between air pollution and preterm birth in California. Paediatr Perinat Epidemiol 20:454-461.

Hwang BF, Jaakkola JJ. 2008. Ozone and other air pollutants and the risk of oral clefts. Environ Health Perspect 116(10):1411-1415.

*Hwang BF, Jaakkola JJ, Lee YL, et al. 2006. Relation between air pollution and allergic rhinitis in Taiwanese schoolchildren. Respir Res 7(1):23.

Hwang BF, Lee YL, Lin YC, et al. 2005. Traffic related air pollution as a determinant of asthma among Taiwanese school children. Thorax 60:467-476.

*Hwang JS, Chan CC. 2002. Effects of air pollution on daily clinic visits for lower respiratory tract illness. Am J Epidemiol 155(1):1-10.

IARC. 2009. Agents Reviewed by the IARC Monographs. Volumes 1-99. Lyon, France: International Agency for Research on Cancer. http://monographs.iarc.fr/ENG/Classification/index.php. May 19, 2009.

Ibald-Mulli A, Stieber J, Wichmann HE, et al. 2001. Effects of air pollution on blood pressure: A population-based approach. Am J Public Health 91:571-577.

Iheagwara KN, Thom SR, Deutschman CS, et al. 2007. Myocardial cytochrome oxidase activity is decreased following carbon monoxide exposure. Biochim Biophys Acta 1772(9):1112-1116.

ILSI. 1994. Physiological parameter values for PBPK models. International Life Science Institute under agreement with U.S. Environmental Protection Agency. Office of Health and Environmental Assessment, Washington, DC.

IPCS. 2008. Carbon oxide. International chemical safety cards. International Programme on Chemical Safety. Commission of the European Communities. http://www.cdc.gov/niosh/ipcsneng/neng0023.html. June 9, 2009.

IRIS. 2009. Integrated Risk Information System. Washington, DC. U.S. Environmental Protection Agency. http://www.epa.gov/iris/subst/index.html. May 11, 2009.

*Ito K, Thurston GD, Silverman RA. 2007. Characterization of PM2.5, gaseous pollutants, and meteorological interactions in the context of time-series health effects models. J Expo Sci Environ Epidemiol 17 (Suppl 2):S45-S60.

Jalaludin B, Morgan G, Lincoln D, et al. 2006. Associations between ambient air pollution and daily emergency department attendances for cardiovascular disease in the elderly (65+ years). J Expo Sci Environ Epidemiol 16:225-237.

Jalaludin B, Mannes T, Morgan G, et al. 2007. Impact of ambient air pollution on gestational age is modified by season in Sydney, Australia. Environ Health 6(1):16-24.

Jerrett M, Burnett RT, Willis A, et al. 2003. Spatial analysis of the air pollution-mortality relationship in the context of ecologic confounders. J Toxicol Environ Health Part A 66:1735-1777.

Johanson CE. 1980. Permeability and vascularity of the developing brain: Cerebellum vs. cerebral cortex. Brain Res 190(1):3-16.

Joumard R, Chiron M, Vidon R, et al. 1991. Mathematical models of the uptake of carbon monoxide on hemoglobin at low carbon monoxide levels. Environ Health Perspect 41:277-289.

Kalay N, Ozdogru I, Cetinkaya Y, et al. 2007. Cardiovascular effects of carbon monoxide poisoning. Am J Cardiol 99:322-324.

Kao LW, Nañagas KA. 2006. Toxicity associated with carbon monoxide. Clin Lab Med 26(1):99-125.

*Karr C, Lumley T, Schreuder A, et al. 2007. Effects of subchronic and chronic exposure to ambient air pollutants on infant bronchiolitis. Am J Epidemiol 165(5):553-560.

Karr C, Lumley T, Shepherd K, et al. 2006. A case-crossover study of wintertime ambient air pollution and infant bronchiolitis. Environ Health Perspect 114(2):277-281.

*Keatinge WR, Donaldson GC. 2001. Mortality related to cold and air pollution in London after allowance for effects of associated weather patterns. Environ Res 86(3):209-216.

*Kettunen J, Lanki T, Tiittanen P, et al. 2007. Associations of fine and ultrafine particulate air pollution with stroke mortality in an area of low air pollution levels. Stroke 38:918-922.

Khalil MAK, Rasmussen RA. 1990. The global cycle of carbon monoxide: Trends and mass balance. Chemosphere 20(1-2):227-242.

Kim KM, Pae HO, Zheng M, et al. 2007. Carbon monoxide induces heme oxygenase-1 via activation of protein kinase R-like endoplasmic reticulum kinase and inhibits endothelial cell apoptosis triggered by endoplasmic reticulum stress. Circ Res 101:919-927.

King GM. 1999a. Characteristics and significance of atmospheric carbon monoxide consumption by soils. Chemosphere Global Change Sci 1:53-63.

King GM. 1999b. Attributes of atmospheric carbon monoxide oxidation by Maine forest soils. Appl Environ Microbiol 65(12):5257-5264.

Kizakevich PN, McCartney ML, Hazucha MJ, et al. 2000. Noninvasive ambulatory assessment of cardiac function in healthy men exposed to carbon monoxide during upper and lower body exercise. Eur J Appl Physiol 83:7-16.

Klawans HL, Stein RW, Tanner CM, et al. 1982. A pure parkinsonian syndrome following acute carbon monoxide intoxication. Arch Neurol 39(5):302-304.

Kleinman MT, Davidson DM, Vandagriff RB, et al. 1989. Effects of short-term exposure to carbon monoxide in subjects with coronary artery disease. Arch Environ Health 44(6):361-369.

Kleinman MT, Leaf DA, Kelly E, et al. 1998. Urban angina in the mountains: Effects of carbon monoxide and mild hypoxemia on subjects with chronic stable angina. Arch Environ Health 53(6):388-397.

*Klemm RJ, Lipfert FW, Wyzga RE, et al. 2004. Daily mortality and air pollution in Atlanta: Two years of data from ARIES. Inhal Toxicol 16 (Suppl 1):131-141.

Koike A, Wasserman K, Armon Y, et al. 1991. The work-rate-dependent effect of carbon monoxide on ventilatory control during exercise. Respir Physiol 85(2):169-183.

Koken PJ, Piver WT, Ye F, et al. 2003. Temperature, air pollution, and hospitalization for cardiovascular diseases among elderly people in Denver. Environ Health Perspect 111(10):1312-1317.

Komori M, Nishio K, Kitada M, et al. 1990. Fetus-specific expression of a form of cytochrome P-450 in human livers. Biochemistry 29(18):4430-4433.

*Kontos AS, Fassols SD, Deli MF. 1999. Short-term effects of air pollution on childhood respiratory illness in Piraeus, Greece, 1987-1992: Nonparametric stochastic dynamic analysis. Environ Res 81:275-296.

Kreck TC, Shade ED, Lamm W, et al. 2001. Isocapnic hyperventilation increases carbon monoxide elimination and oxygen delivery. Am J Respir Crit Care Med 163:458-462.

Krishnan K, Andersen ME. 1994. Physiologically based pharmacokinetic modeling in toxicology. In: Hayes AW, ed. Principles and methods of toxicology. 3rd ed. New York, NY: Raven Press, Ltd., 149-188.

Krishnan K, Anderson ME, Clewell HJ, et al. 1994. Physiologically based pharmacokinetic modeling of chemical mixtures. In: Yang RSH, ed. Toxicology of chemical mixtures. Case studies, mechanisms, and novel approaches. San Diego, CA: Academic Press, 399-437.

Ku HL, Yang KC, Lee YC, et al. 2010. Predictors of carbon monoxide poisoning-induced delayed neuropsychological sequelae. Gen Hosp Psychiatry 32(3):310-314.

Kuska J, Kokot F, Wnuk R. 1980. Acute renal failure after exposure to carbon monoxide. Mater Med Pol 12:236-238.

Kwak HM, Yang YH, Lee MS. 1986. Cytogenetic effects on mouse fetus of acute and chronic transplacental *in vivo* exposure to carbon monoxide: Induction of micronuclei and sister chromatid exchanges. Yonsei Med J 27(3):205-212.

*Kwon HJ, Cho SH, Nyberg F, et al. 2001. Effects of ambient air pollution on daily mortality in a cohort of patients with congestive heart failure. Epidemiology 12:413-419.

Lagorio S, Forastiere F, Pistelli R, et al. 2006. Air pollution and lung function among susceptible adult subjects: A panel study. Environ Health 5:11-22.

Landaw SA. 1973. The effects of cigarette smoking on total body burden and excretion rates of carbon monoxide. J Occup Med 15(3):231-235.

Landaw SA, Callahan EW, Schmid R. 1970. Catabolism of heme *in vivo*: Comparison of the simultaneous production of bilirubin and carbon monoxide. J Clin Invest 49:914-925.

Langston P, Gorman D, Runciman W, et al. 1996. The effect of carbon monoxide on oxygen metabolism in the brains of awake sheep. Toxicology 114:223-232.

Lanki T, Pekkanen J, Aalto P, et al. 2006. Associations of traffic related air pollutants with hospitalisation for first acute myocardial infarction: The HEAPSS study. Occup Environ Med 63:844-851.

Lavonas EJ. 2007. Carbon monoxide poisoning. In: Haddad and Winchester's clinical management of poisoning and drug overdose. 4th ed. Philadelphia, PA: Saunders, 1297-1307.

Law MR, Morris JK, Watt HC, et al. 1997. The dose-response relationship between cigarette consumption, biochemical markers and risk of lung cancer. Br J Cancer 75(11):1690-1693.

*Leaf DA, Kleinman MT. 1996a. Acute exposure to carbon monoxide does not affect plasma lipids, lipoproteins, and apolipoproteins. Angiology 47(4):337-341.

Leaf DA, Kleinman MT. 1996b. Urban ectopy in the mountains: Carbon monoxide exposure at high altitude. Arch Environ Health 51(4):283-290.

Lee BE, Ha EH, Park HS, et al. 2003a. Exposure to air pollution during different gestational phases contributes to risks of low birth weight. Hum Reprod 18(3):638-643.

Lee BS, Heo JH, Kim YM, et al. 2006. Carbon monoxide mediates heme oxygenase-1 induction via Nrf2 activation in hepatoma cells. Biochem Biophys Res Commun 343:965-972.

Lee HU, Lee HJ, Park HY, et al. 2001. Effects of heme oxygenase system on the cyclooxygenase in the primary cultured hypothalamic cells. Arch Pharm Res 24:607-612.

*Lee IM, Tsai SS, Chang CC, et al. 2007b. Air pollution and hospital admissions for chronic obstructive pulmonary disease in a tropical city: Kaohsiung, Taiwan. Inhal Toxicol 19(5):393-398.

Lee IM, Tsai SS, Ho CK, et al. 2007a. Air pollution and hospital admissions for congestive heart failure in a tropical city: Kaohsiung, Taiwan. Inhal Toxicol 19(10):899-904.

Lee JT, Kim H, Cho YS, et al. 2003b. Air pollution and hospital admissions for ischemic heart diseases among individuals 64+ years of age residing in Seoul, Korea. Arch Environ Health 58(10):617-623.

*Lee JT, Kim H, Song H, et al. 2002. Air pollution and asthma among children in Seoul, Korea. Epidemiology 13(4):481-484.

*Lee JT, Son JY, Cho YS. 2007c. A comparison of mortality related to urban air particles between periods with Asian dust days and without Asian dust days in Seoul, Korea, 2000-2004. Environ Res 105:409-413.

*Lee YL, Shaw CK, Su HJ, et al. 2003c. Climate, traffic-related air pollutants and allergic rhinitis prevalence in middle-school children in Taiwan. Eur Respir J 21(6):964-970.

Leeder JS, Kearns GL. 1997. Pharmacogenetics in pediatrics: Implications for practice. Pediatr Clin North Am 44(1):55-77.

Leem JH, Kaplan BM, Shim YK, et al. 2006. Exposures to air pollutants during pregnancy and preterm delivery. Environ Health Perspect 114(6):905-910.

Leikin JB. 1996. Carbon monoxide detectors and emergency physicians. J Emerg Med 14(1):90-94.

Leikin JB, Vogel S. 1986. Carbon monoxide levels in cardiac patients in an urban emergency department. Am J Emerg Med 4:126-128.

Leikin JB, Wills BK. 2009. Long-term psychiatric consequences from carbon monoxide exposure: Progression of endogenous cause or toxicant effect? Crit Care Med 37(6):2116-2118.

Leikin JB, Kaufman D, Lipscomb JW, et al. 1990. Methylene chloride: Report of five exposures and two deaths. Am J Emerg Med 8:534-537.

Leung H. 1993. Physiologically-based pharmacokinetic modelling. In: Ballantyne B, Marrs T, Turner P, eds. General and applied toxicology. Vol. 1. New York, NY: Stockton Press, 153-164.

Levasseur L, Galliot-Guilley M, Richter F, et al. 1996. Effects of mode of inhalation of carbon monoxide and of normobaric oxygen administration on carbon monoxide elimination from the blood. Hum Exp Toxicol 15(11):898-903.

Levy D, Sheppard L, Checkoway H, et al. 2001. A case-crossover analysis of particulate matter air pollution and out-of-hospital primary cardiac arrest. Epidemiology 12(2):193-199.

Lewis RJ. 2007. Hawley's condensed chemical dictionary. 15th ed. Hoboken, NJ: John Wiley & Sons, Inc., 235.

Liao D, Duan Y, Whitsel EA, et al. 2004. Association of higher levels of ambient criteria pollutants with impaired cardiac autonomic control: A population-based study. Am J Epidemiol 159(8):768-777.

Liao D, Heiss G, Chinchilli VM, et al. 2005. Association of criteria pollutants with plasma hemostatic/inflammatory markers: A population-based study. J Expo Anal Environ Epidemiol 15(4):319-328.

Lide DR, ed. 2008. CRC handbook of chemistry and physics. 88th ed. New York, NY: CRC Press, 4-56.

Light A, Grass C, Pursley D, et al. 2007. Carboxyhemoglobin levels in smokers vs. non-smokers in a smoking environment. In: 2007 Open forum abstracts. American Association for Respiratory Care's International Respiratory Congress. Daedalus Enterprises. http://www.rcjournal.com/abstracts/2007/?id=aarc07_111. May 8, 2009.

*Lin CA, Martins MA, Farhat SC, et al. 1999. Air pollution and respiratory illness of children in Sao Paulo, Brazil. Paediatr Perinat Epidemiol 13(4):475-488.

Lin CA, Pereira LA, Nishioka DC, et al. 2004a. Air pollution and neonatal deaths in Sao Paulo, Brazil. Braz J Med Biol Res 37(5):765-770.

Lin CM, Li CY, Yang GY, et al. 2004b. Association between maternal exposure to elevated ambient sulfur dioxide during pregnancy and term low birth weight. Environ Res 96(1):41-50.

Lin M, Chen Y, Burnett RT, et al. 2003. Effect of short-term exposure to gaseous pollution on asthma hospitalisation in children: A bi-directional case-crossover analysis. J Epidemiol Community Health 57:50-55.

*Lin M, Chen Y, Villeneuve PJ, et al. 2004c. Gaseous air pollutants and asthma hospitalization of children with low household income in Vancouver, British Columbia, Canada. Am J Epidemiol 159(3):294-303.

Lin M, Stieb DM, Chen Y. 2005. Coarse particulate matter and hospitalization for respiratory infections in children younger than 15 years in Toronto: A case-crossover analysis. Pediatrics 116(2):e235-e240.

Linderholm H, Lundstrom P. 1969. Endogenous carbon monoxide production and blood loss at delivery. Acta Obstet Gynecol Scand 48:362-370.

Linn WS, Szlachcic Y, Gong H, et al. 2000. Air pollution and daily hospital admissions in metropolitan Los Angeles. Environ Health Perspect 108(5):427-434.

Lipfert FW, Morris SC. 2002. Temporal and spatial relations between age specific mortality and ambient air quality in the United States: Regression results for counties, 1960-97. Occup Environ Med 59(3):156-174.

Lipfert FW, Baty JD, Miller JP, et al. 2006b. $PM_{2.5}$ constituents and related air quality variables as predictors of survival in a cohort of U.S. military veterans. Inhal Toxicol 18(9):645-657.

Lipfert FW, Morris SC, Wyzga RE. 2000. Daily mortality in the Philadelphia metropolitan area and size-classified particulate matter. J Air Waste Manag Assoc 50(8):1501-1513.

Lipfert FW, Wyzga RE, Baty JD, et al. 2006a. Traffic density as a surrogate measure of environmental exposures in studies of air pollution health effects: Long-term mortality in a cohort of US veterans. Atmos Environ 40:154-169.

*Lippmann M, Ito K, Nadas A, et al. 2000. Association of particulate matter components with daily mortality and morbidity in urban populations. Res Rep Health Eff Inst (95):5-72, discussion 73-82.

Liss PS, Slater PG. 1974. Flux of gases across the air-sea interface. Nature 247:181-184.

Liu S, Krewski D, Shi Y, et al. 2003. Association between gaseous ambient air pollutants and adverse pregnancy outcomes in Vancouver, Canada. Environ Health Perspect 111(14):1773-1778.

Liu S, Krewski D, Shi Y, et al. 2007. Association between maternal exposure to ambient air pollutants during pregnancy and fetal growth restriction. J Expo Sci Environ Epidemiol 17(5):426-432.

Livingston AL. 1978. Forage plant estrogens. J Toxicol Environ Health 4(2-3):301-324.

Lo CP, Chen SY, Lee KW, et al. 2007. Brain injury after acute carbon monoxide poisoning: Early and late complications. Am J Roentgenol 189(4):W205-W211.

Longo LD. 1977. The biological effects of carbon monoxide on the pregnant woman, fetus, and newborn infant. Am J Obstet Gynecol 129(1):69-103.

Longo LD, Hill EP. 1977. Carbon monoxide uptake and elimination in fetal and maternal sheep. Am J Physiol Heart Circ Physiol 232:H324-H330.

Lopez I, Acuna D, Webber DS, et al. 2003. Mild carbon monoxide exposure diminishes selectively the integrity of the cochlea of the developing rat. J Neurosci Res 74(5):666-675.

Lopez IA, Acuna D, Beltran-Parrazal L, et al. 2008. Oxidative stress and the deleterious consequences to the rat cochlea after prenatal chronic mild exposure to carbon monoxide in air. Neuroscience 151(3):854-867.

Lopez IA, Acuna D, Beltran-Parrazal L, et al. 2009. Evidence for oxidative stress in the developing cerebellum of the rat after chronic mild carbon monoxide exposure (0.0025% in air). BMC neuroscience 10:53. http://www.biomedcentral.com/content/pdf/1471-2202-10-53.pdf. December 22, 2011.

Lopez IA, Acuna D, Shahram Y, et al. 2010. Neuroglobin expression in the cochlea of rat pups exposed to chronic very mild carbon monoxide (25ppm) in air during and after the prenatal period. Brain Res 1327:56-68.

Lou BS, Snyder JK, Marshall P, et al. 2000. Resonance Raman studies indicate a unique heme active site in prostaglandin H synthase. Biochemistry 39:12424-12434.

*Luginaah IN, Fung KY, Gorey KM, et al. 2005. Association of ambient air pollution with respiratory hospitalization in a government-designated "area of concern": The case of Windsor, Ontario. Environ Health Perspect 113(3):290-296.

Lundquist P, Lennart R, Sorbo B. 1989. The role of hydrogen cyanide and carbon monoxide in fire casualties: A prospective study. Forensic Sci Int 43:9-14.

Luomanmäki K, Coburn RF. 1969. Effects of metabolism and distribution of carbon monoxide on blood and body stores. Am J Physiol 217(2):354-363.

Mactutus CF, Fechter LD. 1985. Moderate prenatal carbon monoxide exposure produces persistent, and apparently permanent, memory deficits in rats. Teratology 31(1):1-12.

*Maheswaran R, Haining RP, Brindley P, et al. 2005a. Outdoor air pollution, mortality, and hospital admissions from coronary heart disease in Sheffield, UK: A small-area level ecological study. Eur Heart J 26(23):2543-2549.

Maheswaran R, Haining RP, Brindley P, et al. 2005b. Outdoor air pollution and stroke in Sheffield, United Kingdom: A small-area level geographical study. Stroke 36(2):239-243.

Mahoney AM, Stimpson CL, Scott KL, et al. 2007. Noninvasive measurement of carboxyhemoglobin levels for adjustment of diffusion capacity measured during pulmonary function testing. Respir Care 52(12):1741-1743.

Mahoney JJ, Vreman HJ, Stevenson DK, et al. 1993. Measurement of carboxyhemoglobin and total hemoglobin by five specialized spectrophotometers (CO-oximeters) in comparison with reference methods. Clin Chem 39(8):1693-1700.

Maisonet M, Bush TJ, Correa A, et al. 2001. Relation between ambient air pollution and low birth weight in the Northeastern United States. Environ Health Perspect 109(Suppl 3):351-356.

Mancuso C, Navarra P, Preziosi P. 2010. Roles of nitric oxide, carbon monoxide, and hydrogen sulfide in the regulation of the hypothalamic-pituitary-adrenal axis. J Neurochem 113(3):563-575.

Mancuso C, Preziosi P, Grossman AB, et al. 1997. The role of carbon monoxide in the regulation of neuroendocrine function. Neuroimmunomodulation 4:225-229.

Mann JK, Tager IB, Lurmann F, et al. 2002. Air pollution and hospital admissions for ischemic heart disease in persons with congestive heart failure or arrhythmia. Environ Health Perspect 110(12):1247-1252.

Mannes T, Jalaludin B, Morgan G, et al. 2005. Impact of ambient air pollution on birth weight in Sydney, Australia. Occup Environ Med 62(8):524-530.

*Mar TF, Norris GA, Koenig JQ, et al. 2000. Associations between air pollution and mortality in Phoenix, 1995-1997. Environ Health Perspect 108(4):347-353.

Margulies JL. 1986. Acute carbon monoxide poisoning during pregnancy. Am J Emerg Med 4:516-519.

*Martins LC, Latorre Mdo R, Saldiva PH, et al. 2002. Air pollution and emergency room visits due to chronic lower respiratory diseases in the elderly: An ecological time-series study in Sao Paulo, Brazil. J Occup Environ Med 44(7):622-627.

*Masjedi MR, Jamaati HR, Dokouhaki P, et al. 2003. The effects of air pollution on acute respiratory conditions. Respirology 8(2):213-230.

Materna BL, Jones JR, Sutton PM, et al. 1992. Occupational exposures in California wildland fire fighting. Am Ind Hyg Assoc J 53(1):69-76.

Maulik N, Engelman DT, Watanabe M, et al. 1996. Nitric oxide - a retrograde messenger for carbon monoxide signaling in ischemic heart. Mol Cell Biochem 157:75-86.

Mayr U, Butsch A, Schneider S. 1992. Validation of two *in vitro* test systems for estrogenic activities with zearalenone, phytoestrogens and cereal extracts. Toxicology 74(2-3):135-149.

McCartney ML. 1990. Sensitivity analysis applied to Coburn-Forster-Kane models of carboxyhemoglobin formation. Am Ind Hyg Assoc J 51(3):169-177.

*McGowan JA, Hider RN, Chacko E, et al. 2002. Particulate air pollution and hospital admissions in Christchurch, New Zealand. Aust N Z J Public Health 26:23-29.

McGrath JJ, Schreck RM, Lee PS. 1993. Carboxyhemoglobin levels in humans: Effects of altitude. Inhal Toxicol 5:241-249.

McGregor HP, Westcott K, Walker DW. 1998. The effect of prenatal exposure to carbon monoxide on breathing and growth of the newborn guinea pig. Pediatr Res 43(1):126-131.

Medeiros A, Gouveia N. 2005. Relationship between low birthweight and air pollution in the city of Sao Paulo, Brazil. Rev Saude Publica 39(6):965-972.

*Meng YY, Wilhelm M, Rull RP, et al. 2007. Traffic and outdoor air pollution levels near residences and poorly controlled asthma in adults. Ann Allergy Asthma Immunol 98(5):455-463.

Mercke C, Lundh B. 1976. Erythrocyte filterability and heme catabolism during the menstrual cycle. Ann Intern Med 85:322-324.

Metzger KB, Klein M, Flanders WD, et al. 2007. Ambient air pollution and cardiac arrhythmias in patients with implantable defibrillators. Epidemiology 18(5):585-592.

Metzger KB, Tolbert PE, Klein M, et al. 2004. Ambient air pollution and cardiovascular emergency department visits. Epidemiology 15(1):46-56.

Meyer G, Boissiere J, Tanguy S, et al. 2011. Carbon Monoxide Pollution Impairs Myocardial Perfusion Reserve: Implication of Coronary Endothelial Dysfunction. Cardiovasc Toxicol 11(4):334-340.

Meyer J, Prien T, Van Aken H, et al. 1998. Arterio-venous carboxyhemoglobin difference suggests carbon monoxide production by human lungs. Biochem Biophys Res Commun 244(1):230-232.

*Migliaretti G, Dalmasso P, Gregori D. 2007. Air pollution effects on the respiratory health of the resident adult population in Turin, Italy. Int J Environ Health Res 17(5):369-379.

Miller KA, Siscovick DS, Sheppard L, et al. 2007. Long-term exposure to air pollution and incidence of cardiovascular events in women. N Engl J Med 356(5):447-458.

Miller SM, Matross DM, Miller ADB, et al. 2008. Sources of carbon monoxide and formaldehyde in North America determined from high-resolution atmospheric data. Atmos Chem Phys 8:7673-7696.

Mishra S, Fujita T, Lama VN, et al. 2006. Carbon monoxide rescues ischemic lungs by interrupting MAPK-driven expression of early growth response 1 gene and its downstream target genes. Proc Natl Acad Sci 103(13):5191-5196.

Moir D, Rickert WS, Levasseur G, et al. 2008. A comparison of mainstream and sidestream marijuana and tobacco cigarette smoke produced under two machine smoking conditions. Chem Res Toxicol 21(2):494-502.

Moller P, Sylven C. 1981. Myoglobin in human skeletal muscle. Scand J Clin Lab Invest 41(5):479-482.

Moolgavkar SH. 2000a. Air pollution and daily mortality in three U.S. counties. Environ Health Perspect 108(8):777-784.

*Moolgavkar SH. 2000b. Air pollution and hospital admissions for chronic obstructive pulmonary disease in three metropolitan areas in the United States. Inhal Toxicol 12(Suppl 4):75-90.

*Moolgavkar SH. 2003. Air pollution and daily mortality in two U.S. counties: Season-specific analyses and exposure-response relationships. Inhal Toxicol 15(9):877-907.

Moore SJ, Norris JC, Walsh DA, et al. 1987. Antidotal use of methemoglobin forming cyanide antagonists in concurrent carbon monoxide/cyanide intoxication. J Pharmacol Exp Ther 242(1):70-73.

Morello-Frosch R, Jesdale BM, Sadd JL, et al. 2010. Ambient air pollution exposure and full-term birth weight in California. Environ Health 9:44. http://www.ehjournal.net/content/pdf/1476-069X-9-44.pdf. February 14, 2012.

Morse CI, Pritchard LJ, Wust RC, et al. 2008. Carbon monoxide inhalation reduces skeletal muscle fatigue resistance. Acta Physiol (Oxf) 192(3):397-401.

Morselli PL, Franco-Morselli R, Bossi L. 1980. Clinical pharmacokinetics in newborns and infants: Age-related differences and therapeutic implications. Clin Pharmacokinet 5(6):485-527.

Mortazavi S, Kashani MM, Khavanin A, et al. 2010. Effects of N-acetylcysteine on auditory brainstem response threshold shift in rabbits exposed to noise and carbon monoxide. Am J Appl Sci 7(2):201-207.

Mortimer K, Neugebauer R, Lurmann F, et al. 2008. Air pollution and pulmonary function in asthmatic children: Effects of prenatal and lifetime exposures. Epidemiology 19(4):550-557.

Myers RA, Snyder SK, Majerus TC. 1985. Cutaneous blisters and carbon monoxide poisoning. Ann Emerg Med 14(6):603-606.

Nakao A, Kaczorowski DJ, Sugimoto R, et al. 2008. Application of heme oxygenase-1, carbon monoxide and biliverdin for the prevention of intestinal ischemia/reperfusion injury. J Clin Biochem Nutr 42(2):78-88.

Nakayama M, Takahashi K, Kitamuro T, et al. 2000. Repression of heme oxygenase-1 by hypoxia in vascular endothelial cells. Biochem Biophys Res Commun 271:665-671.

NAS/NRC. 1989. Report of the oversight committee. In: Biologic markers in reproductive toxicology. Washington, DC: National Academy of Sciences, National Research Council, National Academy Press, 15-35.

*Neidell MJ. 2004. Air pollution, health, and socio-economic status: The effect of outdoor air quality on childhood asthma. J Health Econ 23(6):1209-1236.

Niden AH. 1971. The effects of low levels of carbon monoxide on the fine structure of the terminal airways. Am Rev Respir Dis 103:898.

NIOSH. 1996. Preventing carbon monoxide poisoning from small gasoline-powered engines and tools. National Institute for Occupational Safety and Health. 96-118a. http://www.cdc.gov/niosh/docs/96-118a/. May 24, 2012

NIOSH. 2005. Carbon monoxide. In: NIOSH pocket guide to chemical hazards. Atlanta, GA: National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention. http://www.cdc.gov/niosh/npg/. May 19, 2009.

Norman CA, Halton DM. 1990. Is carbon monoxide a workplace teratogen? A review and evaluation of the literature. Ann Occup Hyg 34(4):335-347.

*Norris G, YoungPong SN, Koenig JQ, et al. 1999. An association between fine particles and asthma emergency department visits for children in Seattle. Environ Health Perspect 107(6):489-493.

Norris JC, Moore SJ, Hume AS. 1986. Synergistic lethality induced by the combination of carbon monoxide and cyanide. Toxicology 40:121-129.

Novelli PC. 1999. CO in the atmosphere: Measurement techniques and related issues. Chemosphere Global Change Sci 1:115-126.

NRC. 1977. Medical and biologic effects of environmental pollutants. Carbon monoxide. Washington, DC: National Academy of Sciences, PB274965.

NRC. 1993. Pesticides in the diets of infants and children. Washington, DC: National Research Council. National Academy Press.

NTP. 1993. Toxicology and carcinogenesis studies of p-nitroaniline (CAS No. 100-01-6) in B6C3F1 mice (gavage studies). Research Triangle Park: National Toxicology Program. TR418.

NTP. 2005. Report on carcinogens, 11th edition. Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program. http://ntp-server.niehs.nih.gov/ntp/roc/toc11.html. May 11, 2009.

Ny L, Alm P, Ekstrom P, et al. 1996. Localization and activity of haem oxygenase and functional effects of carbon monoxide in the feline lower oesophageal sphincter. Br J Pharmacol 118:392-399.

Ohta K. 1997. Diurnal variations of carbon monoxide concentration in the equatorial pacific upwelling region. J Oceanogr 53:173-178.

Okeda R, Matsuo T, Kuroiwa T, et al. 1987. Regional cerebral blood flow of acute carbon monoxide poisoning in cats. Acta Neuropathol 72:389-393.

O'Neil MJ, Heckelman PE, Koch CB, et al. 2006. The Merck index. An encyclopedia of chemicals, drugs, and biologicals. 14th ed. Whitehouse Station, NJ: Merck & Co., Inc., 294.

9. REFERENCES

OSHA. 1991. Sampling and analytical methods: Carbon monoxide in workplace atmosphere, ID-210. Washington, DC: Occupational Safety & Health Administration. http://www.osha.gov/dts/sltc/methods/inorganic/id210/id210.html. May 11, 2009.

OSHA. 2000. Occupational safety and health guideline for carbon monoxide. Washington, DC: Occupational Safety & Health Administration. http://www.osha.gov/SLTC/healthguidelines/carbonmonoxide/recognition.html. May 11, 2009.

OSHA. 2009. Toxic and Hazardous Substances. Occupational safety and health standards. Occupational Safety and Health Administration. Code of Federal Regulations. 29 CFR 1910.1000, Table Z-1. http://www.osha.gov/comp-links.html. May 19, 2009.

*Ostro BD, Hurley S, Lipsett MJ. 1999. Air pollution and daily mortality in the Coachella Valley, California: A study of PM10 dominated by coarse particles. Environ Res 81(3):231-238.

Owen GM, Brozek J. 1966. Influence of age, sex and nutrition on body composition during childhood and adolescence. In: Falkner F, ed. Human development. Philadelphia, PA: WB Saunders, 222-238.

*Park H, Lee B, Ha EH, et al. 2002. Association of air pollution with school absenteeism due to illness. Arch Pediatr Adolesc Med 156(12):1235-1239.

Park JW, Lim YH, Kyung SY, et al. 2005a. Effects of ambient particulate matter on peak expiratory flow rates and respiratory symptoms of asthmatics during Asian dust periods in Korea. Respirology 10(4):470-476.

Park SK, O'Neill MS, Vokonas PS, et al. 2005b. Effects of air pollution on heart rate variability: The VA normative aging study. Environ Health Perspect 113(3):304-309.

Parker JD, Woodruff TJ, Basu R, et al. 2005. Air pollution and birth weight among term infants in California. Pediatrics 115(1):121-128.

Parkinson RB, Hopkins RO, Cleavinger HB, et al. 2002. White matter hyperintensities and neuropsychological outcome following carbon monoxide poisoning. Neurology 58(10):1525-1532.

Paulson OB, Parving HH, Olesen J, et al. 1973. Influence of carbon monoxide and of hemodilution on cerebral blood flow and blood gases in man. J Appl Physiol 35(1):111-116.

Peel JL, Metzger KB, Klein M, et al. 2007. Ambient air pollution and cardiovascular emergency department visits in potentially sensitive groups. Am J Epidemiol 165(6):625-633.

Peel JL, Tolbert PE, Klein M, et al. 2005. Ambient air pollution and respiratory emergency department visits. Epidemiology 16(2):164-174.

Peers C. 2011. Ion channels as target effectors for carbon monoxide. Exp Physiol 96(9):836-839.

Peers C, Steele DS. 2011. Carbon monoxide: A vital signalling molecule and potent toxin in the myocardium. J Mol Cell Cardiol 52(2):359-365.

Peers C, Dallas ML, Scragg JL. 2009. Ion channels as effectors in carbon monoxide signaling. Commun Integr Biol 2(3):241-242.

Pekkanen J, Brunner EJ, Anderson HR, et al. 2000. Daily concentrations of air pollution and plasma fibrinogen in London. Occup Environ Med 57(12):818-822.

Penney DG. 1988. Hemodynamic response to carbon monoxide. Environ Health Perspect 77:121-130.

Penney D, Benjamin M, Dunham E. 1974a. Effect of carbon monoxide on cardiac weight as compared with altitude effects. J Appl Physiol 37(1):80-84.

Penney D, Dunham E, Benjamin M. 1974b. Chronic carbon monoxide exposure: Time course of hemoglobin, heart weight and lactate dehydrogenase isozyme changes. Toxicol Appl Pharmacol 28:493-497.

Penney DG, Baylerian MS, Thill JE, et al. 1982. Postnatal carbon monoxide exposure: Immediate and lasting effects in the rat. Am J Physiol 243(2):H328-339.

Penney DG, Baylerian MS, Thill JE, et al. 1983. Cardiac response of the fetal rat to carbon monoxide exposure. Am J Physiol 244(2):H289-H297.

Penney DG, Davidson SB, Gargulinski RB, et al. 1988. Heart and lung hypertrophy, changes in blood volume, hematocrit and plasma renin activity in rats chronically exposed to increasing carbon. J Appl Toxicol 8(3):171-178.

*Penttinen P, Tiittanen P, Pekkanen J. 2004. Mortality and air pollution in metropolitan Helsinki, 1988-1996. Scand J Work Environ Health 30 (Suppl 2):19-27.

Penttinen P, Timonen KL, Tiittanen P, et al. 2001. Ultrafine particles in urban air and respiratory health among adult asthmatics. Eur Respir J 17(3):428-435.

Perrella M, Di Cera E. 1999. CO ligation intermediates and the mechanism of hemoglobin cooperativity. J Biol Chem 274:2605-2608.

Peters A, Dockery DW, Muller JE, et al. 2001. Increased particulate air pollution and the triggering of myocardial infarction. Circulation 103(23):2810-2815.

Peters A, Liu E, Verrier RL, et al. 2000b. Air pollution and incidence of cardiac arrhythmia. Epidemiology 11:11-17.

Peters A, Perz S, Doring A, et al. 1999. Increases in heart rate during an air pollution episode. Am J Epidemiol 150(10):1094-1098.

Peters A, Skorkovsky J, Kotesovec F, et al. 2000a. Associations between mortality and air pollution in central Europe. Environ Health Perspect 108(4):283-287.

Peterson JE, Stewart RD. 1970. Absorption and elimination of carbon monoxide by inactive young men. Arch Environ Health 21(2):165-171.

Peterson JE, Stewart RD. 1975. Predicting the carboxyhemoglobin levels resulting from carbon monoxide exposures. J Appl Physiol 39(4):633-638.

Piantadosi CA. 2002. Biological chemistry of carbon monoxide. Antioxid Redox Signal 4:259-270.

Piantadosi CA, Zhang J, Demchenko IT. 1997a. Production of hydroxyl radical in the hippocampus after CO hypoxia or hypoxic hypoxia in the rat. Free Radic Biol Med 22(4):725-732.

Piantadosi CA, Zhang J, Levin ED, et al. 1997b. Apoptosis and delayed neuronal damage after carbon monoxide poisoning in the rat. Exp Neurol 147(1):103-114.

Pitt BR, Radford EP, Gurtner GH, et al. 1979. Interaction of carbon monoxide and cyanide on cerebral circulation and metabolism. Arch Environ Health 34:354-359.

Pope CA, Burnett RT, Thun MJ, et al. 2002. Lung cancer, cardiopulmonary mortality, and long-term exposure to fine particulate air pollution. JAMA 287(9):1132-1141.

Pope CA, Thun MJ, Namboodiri MM, et al. 1995. Particulate air pollution as a predictor of mortality in a prospective study of U.S. adults. Am J Respir Crit Care Med 151:669-674.

Pressman J, Warneck P. 1970. The stratosphere as a chemical sink for carbon monoxide. J Atmos Sci 27:155-163.

Prigge E, Hochrainer D. 1977. Effects of carbon monoxide inhalation on erythropoiesis and cardiac hypertrophy in fetal rats. Toxicol Appl Pharmacol 42(1):225-228.

Rabinovitch N, Zhang L, Murphy JR, et al. 2004. Effects of wintertime ambient air pollutants on asthma exacerbations in urban minority children with moderate to severe disease. J Allergy Clin Immunol 114(5):1131-1137.

Radford EP, Drizd TA. 1982. Blood carbon monoxide levels in persons 3-74 years of age: United States, 1976-80. Adv Data 76:1-24.

*Rainham DG, Smoyer-Tomic KE. 2003. The role of air pollution in the relationship between a heat stress index and human mortality in Toronto. Environ Res 93(1):9-19.

*Ranzi A, Gambini M, Spattini A, et al. 2004. Air pollution and respiratory status in asthmatic children: Hints for a locally based preventive strategy. AIRE study. Eur J Epidemiol 19(6):567-576.

Rasmussen LS, Poulsen MG, Christiansen M, et al. 2004. Biochemical markers for brain damage after carbon monoxide poisoning. Acta Anaesthesiol Scand 48:469-473.

Raub JA, Benignus VA. 2002. Carbon monoxide and the nervous system. Neurosci Biobehav Rev 26(8):925-940.

Raub JA, Mathieu-Nolf M, Hampson NB, et al. 2000. Carbon monoxide poisoning--a public health perspective. Toxicology 145(1):1-14.

Ren X, Dorrington KL, Robbins PA. 2001. Respiratory control in humans after 8 h of lowered arterial PO2, hemodilution, or carboxyhemoglobinemia. J Appl Physiol 90(4):1189-1195.

Resch H, Zawinka C, Weigert G, et al. 2005. Inhaled carbon monoxide increases retinal and choroidal blood flow in healthy humans. Invest Ophthalmol Vis Sci 46(11):4275-4280.

Rhee JW, Leikin JB. 2007. Carbon monoxide detectors as preventive medicine. In: Penny DG, ed. Carbon monoxide poisoning. Boca Raton, FL: CRC Press, 305-311.

Rich DQ, Kim MH, Turner JR, et al. 2006a. Association of ventricular arrhythmias detected by implantable cardioverter defibrillator and ambient air pollutants in the St Louis, Missouri metropolitan area. Occup Environ Med 63(9):591-596.

Rich DQ, Mittleman MA, Link MS, et al. 2006b. Increased risk of paroxysmal atrial fibrillation episodes associated with acute increases in ambient air pollution. Environ Health Perspect 114(1):120-123.

Rich DQ, Schwartz J, Mittleman MA, et al. 2005. Association of short-term ambient air pollution concentrations and ventricular arrhythmias. Am J Epidemiol 161(12):1123-1132.

Rich KE, Petkau J, Vedal S, et al. 2004. A case-crossover analysis of particulate air pollution and cardiac arrhythmia in patients with implantable cardioverter defibrillators. Inhal Toxicol 16(6-7):363-372.

Richardson RS, Noyszewski EA, Saltin B, et al. 2002. Effect of mild carboxy-hemoglobin on exercising skeletal muscle: Intravascular and intracellular evidence. Am J Physiol Regul Integr Comp Physiol 283:R1131-R1139.

Ringel SP, Klawans HL. 1972. Carbon monoxide-induced Parkinsonism. J Neurol Sci 16(3):245-251.

Riojas-Rodriguez H, Escamilla-Cejudo JA, Gonzalez-Hermosillo JA, et al. 2006. Personal PM2.5 and CO exposures and heart rate variability in subjects with known ischemic heart disease in Mexico City. J Expo Sci Environ Epidemiol 16(2):131-137.

Rissanen E, Paavilainen T, Virta J, et al. 2010. Carbon monoxide poisoning-induced nigrostriatal dopaminergic dysfunction detected using positron emission tomography (PET). Neurotoxicology 31(4):403-407.

Ritz B, Yu F. 1999. The effect of ambient carbon monoxide on low birth weight among children born in southern California between 1989 and 1993. Environ Health Perspect 107(1):17-25.

Ritz B, Wilhelm M, Hoggatt KJ, et al. 2007. Ambient air pollution and preterm birth in the environment and pregnancy outcomes study at the University of California, Los Angeles. Am J Epidemiol 166(9):1045-1052.

Ritz B, Wilhelm M, Zhao Y. 2006. Air pollution and infant death in southern California, 1989-2000. Pediatrics 118(2):493-502.

Ritz B, Yu F, Chapa G, et al. 2000. Effect of air pollution on preterm birth among children born in Southern California between 1989 and 1993. Epidemiology 11(5):502-511.

Ritz B, Yu F, Fruin S, et al. 2002. Ambient air pollution and risk of birth defects in Southern California. Am J Epidemiol 155(1):17-25.

Rodgers PA, Vreman HJ, Dennery PA, et al. 1994. Sources of carbon monoxide (CO) in biological systems and applications of CO detection technologies. Semin Perinatol 18(1):2-10.

Rodkey FL, Hill TA, Pitts LL, et al. 1979. Spectrophotometric measurement of carboxyhemoglobin and methemoglobin in blood. Clin Chem 25(8):1388-1393.

Rodkey FL, O'Neal JD, Collison HA. 1969. Oxygen and carbon monoxide equilibria of human adult hemoglobin at atmospheric and elevated pressure. Blood 33(1):57-65.

Rodriguez C, Tonkin R, Heyworth J, et al. 2007. The relationship between outdoor air quality and respiratory symptoms in young children. Int J Environ Health Res 17(5):351-360.

*Roemer WH, van Wijnen JH. 2001. Daily mortality and air pollution along busy streets in Amsterdam, 1987-1998. Epidemiology 12(6):649-653.

Rosenlund M, Berglind N, Pershagen G, et al. 2006. Long-term exposure to urban air pollution and myocardial infarction. Epidemiology 17(4):383-390.

Roughton FJ. 1970. The equilibrium of carbon monoxide with human hemoglobin in whole blood. Ann N Y Acad Sci 174(1):177-188.

Rucker J, Tesler J, Fedorko L, et al. 2002. Normocapnia improves cerebral oxygen delivery during conventional oxygen therapy in carbon monoxide-exposed research subjects. Ann Emerg Med 40(6):611-618.

Rückerl R, Greven S, Ljungman P, et al. 2007. Air pollution and inflammation (interleukin-6, C-reactive protein, fibrinogen) in myocardial infarction survivors. Environ Health Perspect 115(7):1072-1080.

Rückerl R, Ibald-Mulli A, Koenig W, et al. 2006. Air pollution and markers of inflammation and coagulation in patients with coronary heart disease. Am J Respir Crit Care Med 173:432-441.

Rudra CB, Williams MA, Sheppard L, et al. 2011. Ambient carbon monoxide and fine particulate matter in relation to preeclampsia and preterm delivery in western Washington State. Environ Health Perspect 119(6):886-892.

Ryter SW, Otterbein LE. 2004. Carbon monoxide in biology and medicine. BioEssays 26(3):270-280.

Ryter SW, Alam J, Choi AM. 2006. Heme oxygenase-1/carbon monoxide: From basic science to therapeutic applications. Physiol Rev 86(2):583-650.

Salam MT, Millstein J, Li YF, et al. 2005. Birth outcomes and prenatal exposure to ozone, carbon monoxide, and particulate matter results from the Children's Health Study. Environ Health Perspect 113(11):1638-1644.

Samet JM, Dominici F, Zeger SL, et al. 2000. The national morbidity, mortality and air pollution study. Part 1. Methods and methodologic issues. Res Rep Health Eff Inst (94 Pt 1):5-14, discussion 75-84.

Samoli E, Touloumi G, Schwartz J, et al. 2007. Short-term effects of carbon monoxide on mortality: An analysis within the APHEA project. Environ Health Perspect 115(11):1578-1583.

Sanderson MG. 2002. Emission of carbon monoxide by vegetation and soils. Hadley Centre technical note 36, Met Office.

Sarnat SE, Suh HH, Coull BA, et al. 2006. Ambient particulate air pollution and cardiac arrhythmia in a panel of older adults in Steubenville, Ohio. Occup Environ Med 63:700-706.

Sartiani L, Cerbai E, Lonardo G, et al. 2004. Prenatal exposure to carbon monoxide affects postnatal cellular electrophysiological maturation of the rat heart: A potential substrate for arrhythmogenesis in infancy. Circulation 109:419-423.

Sartiani L, Stillitano F, Luceri C, et al. 2010. Prenatal exposure to carbon monoxide delays postnatal cardiac maturation. Lab Invest 90(11):1582-1593.

Satran D, Henry CR, Adkinson C, et al. 2005. Cardiovascular manifestations of moderate to severe carbon monoxide poisoning. J Am Coll Cardiol 45:1513-1516.

Sawai H, Kawada N, Yoshizato K, et al. 2003. Characterization of the heme environmental structure of cytoglobin, a fourth globin in humans. Biochemistry 42:5133-5142.

Schildcrout JS, Sheppard L, Lumley T, et al. 2006. Ambient air pollution and asthma exacerbations in children: An eight-city analysis. Am J Epidemiol 164(6):505-517.

Schwartz J, Litonjua A, Suh H, et al. 2005. Traffic related pollution and heart rate variability in a panel of elderly subjects. Thorax 60(6):455-461.

*Schwartz J, Norris G, Larson T, et al. 1999. Episodes of high coarse particle concentrations are not associated with increased mortality. Environ Health Perspect 107(5):339-342.

Setchell BP, Waites GMH. 1975. The blood testis barrier. In: Creep RO, Astwood EB, Geiger SR, eds. Handbook of physiology: Endocrinology V. Washington, DC: American Physiological Society, 143-172.

*Sharovsky R, Cesar LAM, Ramires JAF. 2004. Temperature, air pollution, and mortality from myocardial infarction in Sao Paulo, Brazil. Braz J Med Biol Res 37:1651-1657.

*Sheppard L, Levy D, Norris G. et al. 1999. Effects of ambient air pollution on nonelderly asthma hospital admissions in Seattle, Washington, 1987-1994. Epidemiology 10:23-30.

Sheps DS, Adams KF, Bromberg PA, et al. 1987. Lack of effect of low levels of carboxyhemoglobin on cardiovascular function in patients with ischemic heart disease. Arch Environ Health 42(2):108-116.

Sheps DS, Herbst MC, Hinderliter AL, et al. 1990. Production of arrhythmias by elevated carboxyhemoglobin in patients with coronary artery disease. Ann Intern Med 113:343-351.

Shibahara S, Nakayama M, Kitamuro T, et al. 2003. Repression of heme oxygenase-1 expression as a defense strategy in humans. Exp Biol Med 228:472-473.

Shimazu T, Ikeuchi H, Sugimoto H, et al. 2000. Half-life of blood carboxyhemoglobin after short-term and long-term exposure to carbon monoxide. J Trauma 49(1):126-131.

Shusterman D, Alexeeff G, Hargis C, et al. 1996. Predictors of carbon monoxide and hydrogen cyanide exposure in smoke inhalation patients. J Toxicol Clin Toxicol 34(1):61-71.

Silkoff PE, Zhang L, Dutton S, et al. 2005. Winter air pollution and disease parameters in advanced chronic obstructive pulmonary disease panels residing in Denver, Colorado. J Allergy Clin Immunol 115:337-344.

Silverman RK, Montano J. 1997. Hyperbaric oxygen treatment during pregnancy in acute carbon monoxide poisoning. A case report. J Reprod Med 42:309-311.

Silverman RA, Ito K, Freese J, et al. 2010. Association of ambient fine particles with out-of-hospital cardiac arrests in New York City. Am J Epidemiol 172(8):917-923.

Singh J. 1986. Early behavioral alterations in mice following prenatal carbon monoxide exposure. Neurotoxicology 7:475-481.

Singh J. 2008. Role of maternal protein and carbon monoxide pollution on global infant mortality - evidence from animal studies. Trends Reprod Biol 3:31-39.

*Singh V, Khandelwal R, Gupta AB. 2003. Effect of air pollution on peak expiratory flow rate variability. J Asthma 40(1):81-86.

Sinha AK, Klein J, Schultze P, et al. 1991. Cerebral regional capillary perfusion and blood flow after carbon monoxide exposure. J Appl Physiol 71(4):1196-1200.

Slaughter JC, Kim E, Sheppard L, et al. 2005. Association between particulate matter and emergency room visits, hospital admissions and mortality in Spokane, Washington. J Expo Anal Environ Epidemiol 15(2):153-159.

Slaughter JC, Lumley T, Sheppard L, et al. 2003. Effects of ambient air pollution on symptom severity and medication use in children with asthma. Ann Allergy Asthma Immunol 91(4):346-353.

Smith MV. 1990. Comparing solutions to the linear and nonlinear CFK equations for predicting COHb formation. Math Biosci 99:251-263.

Smith MV, Hazucha MJ, Benignus VA, et al. 1994. Effect of regional circulation patterns on observed HbCO levels. J Appl Physiol 77(4):1659-1665.

Snella MC, Rylander R. 1979. Alteration in local and systemic immune capacity after exposure to bursts of CO. Environ Res 20(1):74-79.

Snyder SH, Jaffrey SR, Zakhary R. 1998. Nitric oxide and carbon monoxide: Parallel roles as neural messengers. Brain Res Rev 26:167-175.

Soares MP, Seldon MP, Gregoire IP, et al. 2004. Heme oxygenase-1 modulates the expression of adhesion molecules associated with endothelial cell activation. J Immunol 172:3553-3563.

Solanki DL, McCurdy PR, Cuttitta FF, et al. 1988. Hemolysis in sickle cell disease as measured by endogenous carbon monoxide production. A preliminary report. Am J Clin Pathol 89(2):221-225.

Sørhaug S, Steinshamn S, Nilsen OG, et al. 2006. Chronic inhalation of carbon monoxide: Effects on the respiratory and cardiovascular system at doses corresponding to tobacco smoking. Toxicology 228(2-3):280-290.

SRI. 2008. 2008 Directory of chemical producers. Menlo Park, CA: SRI Consulting, 482.

*Steerenberg PA, Nierkens S, Fischer PH, et al. 2001. Traffic-related air pollution affects peak expiratory flow, exhaled nitric oxide, and inflammatory nasal markers. Arch Environ Health 56(2):167-174.

Steinvil A, Kordova-Biezuner L, Shapira I, et al. 2008. Short-term exposure to air pollution and inflammation-sensitive biomarkers. Environ Res 106(1):51-61.

Stevens JL, Ratnayake JH, Anders MW. 1980. Metabolism of dihalomethanes to carbon monoxide. Toxicol Appl Pharmacol 55:484-489.

Stewart RD, Peterson JE, Baretta ED, et al. 1970. Experimental human exposure to carbon monoxide. Arch Environ Health 21(2):154-164.

Stewart RD, Peterson JE, Fisher TN, et al. 1973. Experimental human exposure to high concentrations of carbon monoxide. Arch Environ Health 26(1):1-7.

Stieb DM, Evans GJ, Sabaliauskas K, et al. 2007. A scripted activity study of the impact of protective advice on personal exposure to ultra-fine and fine particulate matter and volatile organic compounds. J Expo Sci Environ Epidemiol 18:495-502.

Stieb DM, Judek S, Burnett RT. 2002. Meta-analysis of time-series studies of air pollution and mortality: Effects of gases and particles and the influence of cause of death, age, and season. J Air Waste Manag Assoc 52:470-484.

*Stieb DM, Judek S, Burnett RT. 2003. Meta-analysis of time-series studies of air pollution and mortality: Update in relation to the use of generalized additive models. J Air Waste Manag Assoc 53(3):258-261.

Stockard-Sullivan JE, Korsak RA, Webber DS, et al. 2003. Mild carbon monoxide exposure and auditory function in the developing rat. J Neurosci Res 74(5):644-654.

*Stolzel M, Breitner S, Cyrys J, et al. 2006. Daily mortality and particulate matter in different size classes in Erfurt, Germany. J Expo Sci Environ Epidemiol 17:458-467.

Stone JR, Marletta MA. 1994. Soluble guanylate cyclase from bovine lung: Activation with nitric oxide and carbon monoxide and spectral characterization of the ferrous and ferric states. Biochemistry 33(18):5636-5640.

Storm JE, Fechter LD. 1985a. Alteration in the postnatal ontogeny of cerebellar norepinephrine content following chronic prenatal carbon monoxide. J Neurochem 45(3):965-969.

Storm JE, Fechter LD. 1985b. Prenatal carbon monoxide exposure differentially affects postnatal weight and monoamine concentration of rat brain regions. Toxicol Appl Pharmacol 81(1):139-146.

Stupfel M, Bouley G. 1970. Physiological and biochemical effects on rats and mice exposed to small concentrations of carbon monoxide for long periods. Ann N Y Acad Sci 174(1):342-368.

Sullivan J, Ishikawa N, Sheppard L, et al. 2003. Exposure to ambient fine particulate matter and primary cardiac arrest among persons with and without clinically recognized heart disease. Am J Epidemiol 157(6):501-509.

*Sun HL, Chou MC, Lue KH. 2006. The relationship of air pollution to ED visits for asthma differ between children and adults. Am J Emerg Med 24:709-713.

*Sunyer J, Basagana X. 2001. Particles, and not gases, are associated with the risk of death in patients with chronic obstructive pulmonary disease. Int J Epidemiol 30(5):1138-1140.

*Sunyer J, Basagana X, Belmonte J, et al. 2002. Effect of nitrogen dioxide and ozone on the risk of dying in patients with severe asthma. Thorax 57(8):687-693.

Symons JM, Wang L, Guallar E, et al. 2006. A case-crossover study of fine particulate matter air pollution and onset of congestive heart failure symptom exacerbation leading to hospitalization. Am J Epidemiol 164(5):421-433.

Szyszkowicz M. 2007. Air pollution and emergency department visits for ischemic heart disease in Montreal, Canada. Int J Occup Med Environ Health 20(2):167-174.

Taille C, El-Benna J, Lanone S, et al. 2004. Induction of heme oxygenase-1 inhibits NAD(P)H oxidase activity by down-regulating cytochrome b558 expression via the reduction of heme availability. J Biol Chem 279:28681-28688.

Takeuchi A, Vesely A, Rucker J, et al. 2000. A simple "new" method to accelerate clearance of carbon monoxide. Am J Respir Crit Care Med 161:1816-1819.

Tarkiainen TH, Timonen KL, Vanninen EJ, et al. 2003. Effect of acute carbon monoxide exposure on heart rate variability in patients with coronary artery disease. Clin Physiol Funct Imaging 23(2):98-102.

Tattoli M, Carratu MR, Cassano T, et al. 1999. Effects of early postnatal exposure to low concentrations of carbon monoxide on cognitive functions in rats. Pharmacol Res 40(3):271-274.

Tenías JM, Ballester F, Pérez-Hoyos S, et al. 2002. Air pollution and hospital emergency room admissions for chronic obstructive pulmonary disease in Valencia, Spain. Arch Environ Health 57(1):41-47.

Thom SR, Bhopale VM, Han ST, et al. 2006. Intravascular neutrophil activation due to carbon monoxide poisoning. Am J Respir Crit Care Med 174(11):1239-1248.

Thom SR, Fisher D, Xu YA, et al. 2000. Adaptive responses and apoptosis in endothelial cells exposed to carbon monoxide. Proc Natl Acad Sci USA 97(3):1305-1310.

Thom SR, Ohnishi ST, Ischiropoulos H. 1994. Nitric oxide released by platelets inhibits neutrophil B2 integrin function following acute carbon monoxide poisoning. Toxicol Appl Pharmacol 128(1):105-110.

Thom SR, Xu YA, Ischiropoulos H. 1997. Vascular endothelial cells generate peroxynitrite in response to carbon monoxide exposure. Chem Res Toxicol 10(9):1023-1031.

Thomas K, Colborn T. 1992. Organochlorine endocrine disruptors in human tissue. In: Colborn T, Clement C, eds. Chemically induced alterations in sexual and functional development: The wildlife/human connection. Princeton, NJ: Princeton Scientific Publishing, 365-394.

Thompson AJ, Shields MD, Patterson CC. 2001. Acute asthma exacerbations and air pollutants in children living in Belfast, Northern Ireland. Arch Environ Health 56:234-241.

Thomsen HK. 1974. Carbon monoxide-induced atherosclerosis in primates. An electron-microscopic study on the coronary arteries of *Macaca irus* monkeys. Atherosclerosis 20(2):233-240.

Thorup C, Jones CL, Gross SS, et al. 1999. Carbon monoxide induces vasodilation and nitric oxide release but suppresses endothelial NOS. Am J Physiol 277(6 Pt 2):F882-F889.

Tikuisis P, Buick F, Kane DM. 1987a. Percent carboxyhemoglobin in resting humans exposed repeatedly to 1,500 and 7,500 ppm CO. J Appl Physiol 63(2):820-827.

Tikuisis P, Kane DM, McLellan TM, et al. 1992. Rate of formation of carboxyhemoglobin in exercising humans exposed to carbon monoxide. J Appl Physiol 72(4):1311-1319.

Tikuisis P, Madill HD, Gill BJ, et al. 1987b. A critical analysis of the use of the CFK equation in predicting COHb formation. Am Ind Hyg Assoc J 48(3):208-213.

Timonen KL, Pekkanen J, Tiittanen P, et al. 2002. Effects of air pollution on changes in lung function induced by exercise in children with chronic respiratory symptoms. Occup Environ Med 59(2):129-134.

Timonen KL, Vanninen E, de Hartog J, et al. 2006. Effects of ultrafine and fine particulate and gaseous air pollution on cardiac autonomic control in subjects with coronary artery disease: The ULTRA study. J Expo Sci Environ Epidemiol 16(4):332-341.

Tolbert PE, Klein M, Peel JL, et al. 2007. Multipollutant modeling issues in a study of ambient air quality and emergency department visits in Atlanta. J Expo Sci Environ Epidemiol 17(Suppl 2):S29-S35.

*Tolcos M, Mallard C, McGregor H, et al. 2000a. Exposure to prenatal carbon monoxide and postnatal hyperthermia: Short and long-term effects on neurochemicals and neuroglia in the developing brain. Exp Neurol 162:235-246.

Tolcos M, McGregor H, Walker D, et al. 2000b. Chronic prenatal exposure to carbon monoxide results in a reduction in tyrosine hydroxylase-immunoreactivity and an increase in choline acetyltransferase-immunoreactivity in the fetal medulla: Implications for Sudden Infant Death Syndrome. J Neuropathol Exp Neurol 59(3):218-228.

Tolli JD, Sievert SM, Taylor CD. 2006. Unexpected diversity of bacteria capable of carbon monoxide oxidation in a coastal marine environment, and contribution of the roseobacter-associated clade to total CO oxidation. Appl Environ Microbiol 72(3):1966-1973.

Tomaszewski C. 2006. Carbon monoxide. In: Goldfrank's toxicologic emergencies. 8th ed. New York, NY: McGraw-Hill, 1689-1704.

Torne R, Soyer HP, Leb G, et al. 1991. Skin lesions in carbon monoxide intoxication. Dermatologica 183:212-215.

*Trapasso LM, Keith L. 1999. Relationships between selected meteorological/pollution parameters and hospital admissions for asthma in South Central Kentucky. J Ky Acad Sci 60:73-77.

Tsai S, Chen C, Hsieh H, et al. 2006a. Air pollution and postneonatal mortality in a tropical city: Kaohsiung, Taiwan. Inhal Toxicol 18:185-189.

9. REFERENCES

*Tsai SS, Cheng MH, Chiu HF, et al. 2006b. Air pollution and hospital admissions for asthma in a tropical city: Kaohsiung, Taiwan. Inhal Toxicol 18(8):549-554.

Tsai SS, Goggins WB, Chiu HF, et al. 2003b. Evidence for an association between air pollution and daily stroke admissions in Kaohsiung, Taiwan. Stroke 34(11):2612-2616.

Tsai SS, Huang CH, Goggins, WB, et al. 2003a. Relationship between air pollution and daily mortality in a tropical city: Kaohsiung, Taiwan. J Toxicol Environ Sci Health A 66:1341-1349.

U.S. Army. 1979. Mammalian toxicity of munitions compounds. Phase III: Effects of lifetime exposure. Part I. 2,4-Dinitrotoluene. Final report no. 7. Fort Detrick, MD: U.S. Army and Medical Bioengineering Research Development Laboratory. ADA077692. http://www.dtic.mil/cgi-bin/GetTRDoc?Location=U2&doc=GetTRDoc.pdf&AD=ADA077692.

USCG. 2008. Boating safety circular 86. Boating and carbon monoxide poisoning a dangerous combination. . U.S. Coast Guard. www.uscgboating.org/assets/pdf/recalls/BSC86.pdf. May 23, 2012.

*Vedal S, Brauer M, White R, et al. 2003. Air pollution and daily mortality in a city with low levels of pollution. Environ Health Perspect 111(1):45-51.

Vedal S, Rich K, Brauer M, et al. 2004. Air pollution and cardiac arrhythmias in patients with implantable cardioverter defibrillators. Inhal Toxicol 16:353-362.

Verschueren K. 2001. Handbook of environmental data on organic chemicals. 4th ed. New York, NY: John Wiley & Sons, Inc., 23-24.

Vesely AE, Somogyi RB, Sasano H, et al. 2004. The effects of carbon monoxide on respiratory chemoreflexes in humans. Environ Res 94:227-233.

Vieira I, Sonnier M, Cresteil T. 1996. Developmental expression of CYP2E1 in the human liver: Hypermethylation control of gene expression during the neonatal period. Eur J Biochem 238(2):476-483.

*Vigotti MA, Chiaverini F, Bagiola P, et al. 2007. Urban air pollution and emergency visits for respiratory complaints in Pisa, Italy. J Toxicol Environ Health A 70:266-269.

*Villeneuve PJ, Burnett RT, Shi Y, et al. 2003. A time-series study of air pollution, socioeconomic status, and mortality in Vancouver, Canada. J Expo Anal Environ Epidemiol 13(6):427-435.

Villeneuve PJ, Chen L, Stieb D, et al. 2006a. Associations between outdoor air pollution and emergency department visits for stroke in Edmonton, Canada. Eur J Epidemiol 21:689-700.

*Villeneuve PJ, Doiron M, Stieb D, et al. 2006b. Is outdoor air pollution associated with physician visits for allergy rhinitis among the elderly in Toronto, Canada? Allergy 61:750-758.

Vogel JA, Gleser MA. 1972. Effect of carbon monoxide on oxygen transport during exercise. J Appl Physiol 32:234-239.

Volti GL, Vanella L, Gazzolo D, et al. 2008. Carbon monoxide: Vasoconstrictor or vasodilator? That's the question. American Journal of physiology. Renal Physiology 295:901-903.

von Klot S, Peters A, Aalto P, et al. 2005. Ambient air pollution is associated with increased risk of hospital cardiac readmissions of myocardial infarction survivors in five European cities. Circ J 112:3073-3079.

von Klot S, Wolke G, Tuch T, et al. 2002. Increased asthma medication use in association with ambient fine and ultrafine particles. Eur Respir J 20:691-702.

Vreman HJ, Kwong LK, Stevenson DK. 1984. Carbon monoxide in blood: An improved microliter blood-sample collection system, with rapid analysis by gas chromatography. Clin Chem 30(8):1382-1386.

Vreman HJ, Stevenson DK, Oh W, et al. 1994. Semiportable electrochemical instrument for determining carbon monoxide in breath. Clin Chem 40(10):1927-1933.

Vreman HJ, Wong RJ, Kadotani T, et al. 2005. Determination of carbon monoxide (CO) in rodent tissue: Effect of heme administration and environmental CO exposure. Anal Biochem 341:280-289.

Vreman HJ, Wong RJ, Stevenson DK, et al. 2006. Concentration of carbon monoxide (CO) in postmortem human tissues: Effect of environmental CO exposure. J Forensic Sci 51(5):1182-1190.

Wang R, Wu L. 1997. The chemical modification of KCa channels by carbon monoxide in vascular smooth muscle cells. J Biol Chem 272:8222-8226.

Wang R, Wang Z, Wu L. 1997a. Carbon monoxide-induced vasorelaxation and the underlying mechanisms. Br J Pharmacol 121(5):927-934.

Wang R, Wu L, Wang Z. 1997b. The direct effect of carbon monoxide on K_{Ca} channels in vascular smooth muscle cells. Pflugers Arch 434:285-291.

*Wang T, Ko Y, Chao Y, et al. 1999. Association between indoor and outdoor air pollution and adolescent asthma from 1995 to 1996 in Taiwan. Environ Res 81:239-247.

Wang W, Li J, Chang Y, et al. 2011. Effects of immune reaction in rats after acute carbon monoxide poisoning. Undersea Hyperb Med 38(4):239-246.

Weaver LK. 2009. Clinical practice. Carbon monoxide poisoning. N Engl J Med 360(12):1217-1225.

Weaver LK, Howe S, Hopkins R, et al. 2000. Carboxyhemoglobin half-life in carbon monoxide-poisoned patients treated with 100% oxygen at atmospheric pressure. Chest 117(3):801-808.

Webber DS, Korsak RA, Sininger LK, et al. 2003. Mild carbon monoxide exposure impairs the developing auditory system of the rat. J Neurosci Res 74:655-665.

Wellenius GA, Bateson TF, Mittleman MA, et al. 2005a. Particulate air pollution and the rate of hospitalization for congestive heart failure among Medicare beneficiaries in Pittsburgh, Pennsylvania. Am J Epidemiol 161(11):1030-1036.

Wellenius GA, Schwartz J, Mittleman MA. 2005b. Air pollution and hospital admissions for ischemic and hemorrhagic stroke among medicare beneficiaries. Stroke 36:2549-2553.

Werner B, Lindahl J. 1980. Endogenous carbon monoxide production after bicycle exercise in healthy subjects and in patients with hereditary spherocytosis. Scand J Clin Lab Invest 40:314-324.

West JR, Smith HW, Chasis H. 1948. Glomerular filtration rate, effective renal blood flow, and maximal tubular excretory capacity in infancy. J Pediatr 32:10-18.

Wetherell HR. 1966. The occurrence of cyanide in the blood of fire victims. J Forensic Sci 11:167-173.

*Wheeler A, Zanobetti A, Gold DR, et al. 2006. The relationship between ambient air pollution and heart rate variability differs for individuals with heart and pulmonary disease. Environ Health Perspect 114(4):560-566.

WHO. 1999. Environmental health criteria 213. Carbon monoxide. World Health Organization. http://www.inchem.org/documents/ehc/ehc/ehc213.htm. June 5, 2009.

WHO. 2000. Air quality guidelines. 2nd edition. Geneva, Switzerland: World Health Organization. http://www.euro.who.int/air/activities/20050223_4. May 11, 2009.

WHO. 2006. Guidelines for drinking-water quality. 3rd edition. Geneva, Switzerland: World Health Organization. http://www.who.int/water_sanitation_health/dwq/gdwq3/en/. May 11, 2009.

Widdowson EM, Dickerson JWT. 1964. Chemical composition of the body. In: Comar CL, Bronner F, eds. Mineral metabolism: An advance treatise. Volume II: The elements Part A. New York, NY: Academic Press, 1-247.

Wijayanti N, Huber S, Samoylenko A, et al. 2004. Role of NF-κB and p38 MAP kinase signaling pathways in the lipopolysaccharide-dependent activation of heme oxygenase-1 gene expression. Antioxid Redox Signal 6:802-810.

Wilhelm M, Ritz B. 2005. Local variations in CO and particulate air pollution and adverse birth outcomes in Los Angeles County, California, USA. Environ Health Perspect 113(9):1212-1221.

Willis D, Tomlinson A, Frederick R, et al. 1995. Modulation of heme oxygenase activity in rat brain and spleen by inhibitors and donors of nitric oxide. Biochem Biophys Res Commun 214:1152-1156.

Wohlrab H, Ogunmola BG. 1971. Carbon monoxide binding studies of cytochrome α_3 hemes in intact rat liver mitochondria. Biochemistry 10:1103-1106.

Wolf SJ, Lavonas EJ, Sloan EP, et al. 2008. Clinical policy: Critical issues in the management of adult patients presenting to the emergency department with acute carbon monoxide poisoning. Ann Emerg Med 51(2):138-152.

Wolff E. 1994. Carbon monoxide poisoning with severe myonecrosis and acute renal failure. Am J Emerg Med 12(3):347-349.

Woodruff TJ, Darrow LA, Parker JD. 2008. Air pollution and postneonatal infant mortality in the United States, 1999-2002. Environ Health Perspect 116(1):110-115.

Wu L, Wang R. 2005. Carbon monoxide: Endogenous production, physiological functions, and pharmacological applications. Pharmacol Rev 57(4):585-630.

*Xirasagar S, Lin H, Liu T. 2006. Seasonality in pediatric asthma admissions: The role of climate and environmental factors. Eur J Pediatr 165:747-752.

Yang C, Chang C, Chuang H, et al. 2004a. Relationship between air pollution and daily mortality in a subtropical city: Taipei, Taiwan. Environ Int 30:519-523.

*Yang CY, Chen CC, Chen CY, et al. 2007. Air pollution and hospital admissions for asthma in a subtropical city: Taipei, Taiwan. J Toxicol Environ Health A 70(2):111-117.

Yang CY, Chen YS, Yang CH, et al. 2004b. Relationship between ambient air pollution and hospital admissions for cardiovascular diseases in Kaohsiung, Taiwan. J Toxicol Environ Health A 67(6):483-493.

Yang CY, Hsieh HJ, Tsai SS, et al. 2006. Correlation between air pollution and postneonatal mortality in a subtropical city: Taipei, Taiwan. J Toxicol Environ Health Part A 69:2033-2040.

Yang Q, Chen Y, Krewski D, et al. 2005. Effect of short-term exposure to low levels of gaseous pollutants on chronic obstructive pulmonary disease hospitalizations. Environ Res 99:99-105.

Yang Q, Chen Y, Shi Y, et al. 2003. Association between ozone and respiratory admissions among children and the elderly in Vancouver, Canada. Inhal Toxicol 15:1297-1308.

Yarar C. 2009. Neurological effects of acute carbon monoxide (CO) poisoning in children. Journal of Pediatric Sciences 1:e2-e5. http://www.pediatricsciences.com/ojs/index.php?journal=jps&page=article&op=view&path%5B%5D=3&path%5B%5D=pdf_1. February 13, 2012.

Yasuda H, Sasaki T, Yamaya M, et al. 2004. Increased arteriovenous carboxyhemoglobin differences in patients with inflammatory pulmonary diseases. Chest 125(6):2160-2168.

Yaws CL, Hopper JR, Wang X, et al. 1999. Calculating solubility and Henry's law constants for gases in water. Chem Eng (NY) 106(6):102-105.

Yildiz H, Aldemir E, Altuncu E, et al. 2010. A rare cause of perinatal asphyxia: Maternal carbon monoxide poisoning. Arch Gynecol Obstet 281(2):251-254.

Young LJ, Caughey WS. 1986. Oxygenation of carbon monoxide by bovine heart cytochrome c oxidase. Biochemistry 25(1):152-161.

Young JS, Upchurch MB, Kaufman MJ, et al. 1987. Carbon monoxide exposure potentiates high-frequency auditory threshold shifts induced by noise. Hear Res 26:37-43.

Yu O, Sheppard L, Lumley T, et al. 2000. Effects of ambient air pollution on symptoms of asthma in Seattle-area children enrolled in the CAMP study. Environ Health Perspect 108(12):1209-1214.

Zanobetti A, Schwartz J. 2006. Air pollution and emergency admissions in Boston, MA. J Epidemiol Community Health 60(10):890-895.

Zanobetti A, Canner MJ, Stone PH, et al. 2004b. Ambient pollution and blood pressure in cardiac rehabilitation patients. Circulation 110:2184-2189.

Zanobetti A, Wellenius GA, Zeka A, et al. 2004a. The effect of particulate air pollution on the risk of myocardial infarction in elderly: A multi-city case-crossover analysis. Epidemiology 15(4):S21.

Zebro T, Wright EA, Littleton RJ, et al. 1983. Bone changes in mice after prolonged continuous exposure to a high concentration of carbon monoxide. Exp Pathol 24:51-67.

Zevin S, Saunders S, Gourlay SG, et al. 2001. Cardiovascular effects of carbon monoxide and cigarette smoking. J Am Coll Cardiol 38(6):1633-1638.

Ziegler EE, Edwards BB, Jensen RL, et al. 1978. Absorption and retention of lead by infants. Pediatr Res 12(1):29-34.

Zuckerbraun BS, Billiar TR, Otterbein SL, et al. 2003. Carbon monoxide protects against liver failure through nitric oxide-induced heme oxygenase 1. J Exp Med 198:1707-1716.

Zuckerbraun BS, Chin BY, Bilban M, et al. 2007. Carbon monoxide signals via inhibition of cytochrome c oxidase and generation of mitochondrial reactive oxygen species. FASEB J 21(4):1099-1106.