Non-Beam Hazards References

1 Electrical Hazards.

Dalziel, C.F.: Effects of electric shock on man. IRE Trans. Med. Elec. PGME-5: 44-62; 1956.

Dalziel, C.F.: Electric shock hazard. IEEE Spectrum 9(2): 41-50; 1972.

Larkin, W.D., J.P. Reilly, and L.B. Kittler: Individual differences in sensitivity to transient electrocutaneous stimulation. IEEE Trans. Biomed. Eng. BME-33: 495-504; 1986.

Lee, R.H.: Electrical safety in industrial plants. IEEE Spectrum 8(6): 51-55; 1971.

- Thomas, D.K.: Often overlooked electrical hazards common in many lasers. In Proceedings of the 1992 International Laser Safety Conference. Orlando, FL: Laser Institute of America, 4I-41 4I-44; 1993.
- Sliney, D.H. and M.L. Wolbarsht: Safety with Lasers and Other Optical Sources. New York: Plenum Publishing, (chapter 28); 1985.
- Varanelli, A.G.: Electrical hazards associated with lasers. Journal of Laser Applications 7: 62-64; 1995.

2 Plasma and Collateral Radiation.

2.1 X Radiation.

- Carroll, F.E.: Generation of "soft x-rays" by using the free electron laser as a proposed means of diagnosing and treating breast cancer. Lasers Surg. Med. 11: 72-78; 1991.
- Chen, H. et al.: Study of x-ray emission from picosecond laser-plasma interaction. SPIE 1413: 112-119; 1991.
- Kuhnle, G. et al.: X-ray production by irradiation of solid targets with sub-picosecond excimer laser pulses. Appl. Phys. B 47: 361-366; 1988.
- Shmaenok, L.A., et al.: Soft x-rays emitted by a laser plasma created by two consecutive laser pulses. Tech. Phys. Lett. 21: 920-922; 1995.

2.2 Optical Radiation.

- Abbott, D.H. and C.E. Albright: CO2 shielding gas effects in laser welding mild steel. Journal of Laser Applications 6(2): 69-80 (1994).
- Bos, A.J.J. and M.P. de Haas: On the safe use of a high power ultraviolet laser. In Human Exposure to Ultraviolet Radiation: Risks and Regulations, edited by W.F. Passchier and B.F.M. Bosnjakovic. New York: Elsevier Science Publishers, pp. 377-382; 1987.
- Hietanen, M. and P. Von Nandelstadh: Scattered and plasma-related optical radiations associated with industrial laser processes. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser Institute of America, pp. 3-105 3-108; 1991.
- Hietanen, M., et al.: Evaluation of hazards in CO2 laser welding and related processes. Ann. Occup. Hyg. 36:183-188; 1992.

- Hitchcock, R.T.: Ultraviolet Radiation (Nonionizing Radiation Guide Series). Akron, OH: American Industrial Hygiene Association, 49 pp; 2001.
- Rockwell, R.J., Jr. and C.E. Moss: Optical radiation assessment of laser welding. In Proceedings of the Medicine and Biology Symposium. Laser Institute of America: ICALEO (vol 32), pp. 100-108; 1982.
- Rockwell, R.J., Jr. and C.E. Moss: Optical radiation hazards of laser welding processes part 1: neodymium-YAG laser. Am. Ind. Hyg. Assoc. J. 44: 572-579; 1983.
- Rockwell, R.J., Jr. and C.E. Moss: Optical radiation hazards of laser welding processes part 2: CO2 laser. Am. Ind. Hyg. Assoc. J. 50: 419-427; 1989.
- Schulmeister, K., et al.: Hazardous ultraviolet and blue-light emissions of CO2 laser beam welding. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser Institute of America, pp. 229-232; 1997.

2.3 Radio-frequency Radiation.

Bioelectromagnetics, Supplement 6, Wiley-Liss, 2003

- Hitchcock, R.T.: Radio-Frequency and Microwave Radiation (Nonionizing Radiation Guide Series). Fairfax, VA: American Industrial Hygiene Association, 33 pp; 2004.
- Seitz, T.A. and C.E. Moss: RF-excited carbon dioxide lasers: concerns of RF occupational exposures. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser Institute of America, pp. 3-35 3-40; 1991.

2.4 Power-frequency (Extremely low frequency, ELF) Fields.

- Bowman, J.D. et al.: Exposures to extremely low frequency (ELF) electromagnetic fields in occupations with elevated leukemia rates. Appl. Ind. Hyg. 3: 189-194; 1988.
- Hitchcock, R.T., S. McMahan, and G.C. Miller: Extremely Low Frequency (ELF) Electric and Magnetic Fields (Nonionizing Radiation Guide Series). Fairfax, VA: American Industrial Hygiene Association, 59 pp; 1995.
- Reilly J.P. Applied Bioelectricity: From Electrical Stimulation to Electropathology, Springer, NY, 1998.
- Reilly J.P. and Diamant, A.M. Electrostimulation: Theory, Applications, and Computational Model. Artech House, 2011.

3 Fires and Explosions.

- Bos, A.J.J. and M.P. de Haas: On the safe use of a high power ultraviolet laser. In Human Exposure to Ultraviolet Radiation: Risks and Regulations, edited by W.F. Passchier and B.F.M. Bosnjakovic. New York: Elsevier Science Publishers, pp. 377-382; 1987.
- Caldwell, C.: Laser fire protection. In Proceedings of the 1992 International Laser Safety Conference. Orlando, FL: Laser Institute of America, 4I-1 4I-8; 1993.
- Cozine, K. et al.: Laser-induced endotracheal tube fire. Anesthesiology 55: 583-585; 1981.
- Domin, M.A.: Ignition potential of surgical appliances and materials. In Proceedings of the 1992 International Laser Safety Conference. Orlando, FL: Laser Institute of America, 4M-5 - 4M-12; 1993.

- Dubaniewicz, T.H., et al.: Laser ignition of flammable gas. In Proceedings of the International Laser Safety Conference ILSC 1999. Orlando, FL: Laser Institute of America, pp. 309-318; 2003.
- Engel, D.: Laser generated metal dust explosive potential. In Proceedings of the 1992 International Laser Safety Conference. Orlando, FL: Laser Institute of America, 4I-21 -4I-24; 1993.
- Fried, M.P. et al.: Laser resistant stainless steel endotracheal tube: experimental and clinical evaluation. Lasers Surg. Med. 11: 301-306; 1991.
- Hirshman, C.A. and D. Leon: Ignition of an endotracheal tube during laser microsurgery. Anesthesiology 53: 177; 1980.
- Hughes, R.: Fire in the hole: an endotracheal tube fire. In ILSC 2003 Conference Proceedings & Program. Orlando, FL: Laser Institute of America, pp. 307-314; 2003.
- Kashiwagi, T.: Ignition of a liquid fuel under high intensity radiation. Combustion Sci. Technol. 21: 131-139; 1980.
- Lavid, M., S.K. Gulati, and W.R. Lempert: Laser ignition of ball power (nitrocellulose base). Proc. SPIE 2122: 129-143; 1994.
- Lavid, M. and J.G. Stevens: Photochemical ignition of premixed hydrogen/oxidizer mixtures with excimer lasers. Combust. Flame 60: 195-202; 1985.
- Pashayan, A.G. and J.S. Gravenstein: Airway fires during surgery with the carbon dioxide laser. Anesthesiology 71L: 478; 1989.
- Sosis, M.: Polyvinylchloride endotracheal tubes are hazardous for CO2 laser surgery (letter); Pashayan, A.G. et al. (reply). Anesthesiology 69: 801-802; 1988.
- Sosis, M.B. and F.X. Dillon: Comparison of CO2 laser ignition of the Xomed plastic and rubber tracheal tubes. In Proceedings of the 1992 International Laser Safety Conference. Orlando, FL: Laser Institute of America, 4M-13 4M-16; 1993.

4 Chemical Agents.

4.1 LGAC.

- Busch, H. et al.: Aerosol formation during laser cutting of fibre reinforced plastics. J. Aerosol Sci. 20: 1473-1476 (1989).
- Dahmen, M., et al.: Degradation of optical components in laser machines for manufacturing. In Proceedings of SPIE 2428: 248-254; 1995.
- Doyle, D.J.: Spectroscopic evaluation of toxic by-products produced during industrial laser processing. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser institute of America, pp. 3-109 3-114; 1991.
- Doyle, D.J. and J.M. Kokosa: Chemical by-products of laser cutting of Kevlar. Polymer Preprints 27: 206-207; 1986.
- Fleeger, A. and C.E. Moss: Airborne emissions produced by the interaction of a carbon dioxide laser with glass, metals, and plastics. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser Institute of America, pp. 3-23 - 3-33; 1991.

- Haferkamp. H., et al.: Hazardous emissions: characterization of CO2 laser material processing. Journal of Laser Applications 7: 83-88; 1988.
- Haferkamp, H., et al.: Air contaminants generated during laser processing of organic materials and protective measures. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser Institute of America, pp. 209-218; 1997.
- Hietanen, M., et al.: Evaluation of hazards in CO2 laser welding and related processes. Ann. Occup. Hyg. 36:183-188; 1992.
- Kiefer, M. and C.E. Moss: Laser generated air contaminants released during laser cutting of fabrics and polymers. Journal of Laser Applications 9: 7-13; 1997.
- Klein, R.M., et al.: Workplace exposure during laser-machining. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser Institute of America, pp. 252-261; 1997.
- Kokosa, J.M.: Hazardous chemicals produced by laser materials processing. Journal of Laser Applications 6(4): 195-201; 1994.
- Kokosa, J.M. and D.J. Doyle: Condensed phase pyrolysates produced by CO2 laser processing of polymers I: polycyclic aromatic hydrocarbons obtained from polyvinyl chloride. Polymer Preprints 26: 255-256; 1985.
- Kwan, J.K.: Toxicological characterization of chemicals produced from laser irradiation of graphite composite materials. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser Institute of America, pp. 3-69 - 3-96; 1991.
- Moss, C.E. and T. Seitz: Hazard evaluation and technical assistance report No. HETA-90-102-L2075, Ebtec East, Agawam, Massachusetts. Springfield, VA: National Technical Information Service, 1990.
- Pena, A.C., J.G. Soler, and G.R. Caicedo : The characterization of aerosols generated during the cutting of metallic materials with lasers. Environ. Technol. 19:83-90; 1998.
- Powell, J., A. Ivarson, and C. Magnusson: Laser cutting of steels: a physical and chemical analysis of the particles ejected during cutting. Journal of Laser Applications 5(1): 25-31; 1993.
- Rockwell, R.J., Jr., et al.: Occupational hazards of laser material processing (Final Report Prepared for NIOSH). Springfield, VA: National Technical Information Service (Order No. PB89-186-530); 1976.
- Schroder, K. et al.: UV-radiation induced ozone and nitrogen oxide emission during CO2 laser welding. In Proceedings of the 3rd EUREKA Industrial Laser Safety Forum, pp. 317-322; 1995.
- Steiner, H., D. Windelberg, and B. Georgi: Aerosol generation during cutting of various materials with plasma, laser and consumable electrode. J. Aerosol Sci. 19: 1381-1384; 1988.
- Tarroni, G., et al.: Characterization of aerosols produced in cutting steel components and concrete structures by means of a laser beam. J. Aerosol Sci. 17: 587-591; 1986.

- Thomas, D.W. and M. Scott: Assessment of material particle sizes generated during excimer laser processing. In Proceedings of the 3rd EUREKA Industrial Laser Safety Forum, pp. 173-181; 1995.
- Tonshoff, H.K., R. Egger, and F. Klocke: Environmental and safety aspects of electrophysical and electrochemical processes. CIRP Annals Manufacturing Techno. 45(2): 553-568; 1996.
- Troutman, K.R. and R.A. Froehlich: Case studies of laser generated air pollution. In Proceedings of the 1992 International Laser Safety Conference. Orlando, FL: Laser Institute of America, 4I-25 - 4I-32; 1993.

4.2 Compressed Gases.

- Benoit, H., J. Clark, and W.J. Keon: Installation of a commercial excimer laser in the operating room. Journal of Laser Applications 1(3): 45-50; 1989.
- Bos, A.J.J. and M.P. de Haas: On the safe use of a high power ultraviolet laser. In Human Exposure to Ultraviolet Radiation: Risks and Regulations, edited by W.F. Passchier and B.F.M. Bosnjakovic. New York: Elsevier Science Publishers, pp. 377-382; 1987.
- Dietz, A. and E. Bradford: Safe handling of excimer gases. In The Photonics Design and Applications Handbook (Book 3). Pittsfield, MA: Laurin Publishing Co., pp. H-240 H-243; 1991.
- Lorenz, A.K.: Gas handling safety for laser makers and users. Lasers and Applications 6(3): 69-73; 1987.
- Sliney, D.H. and T.N. Clapham: Safety of medical exicmer lasers with an emphasis on compressed gases. Journal of Laser Applications 3(3): 59-62; 1991.

4.3 Dyes and Solvents.

- Austin, L. and U. Brackman: Dye lasers and laser dyes. In The Photonics Design and Applications Handbook (Book 3). Pittsfield, MA: Laurin Publishing Co., pp. H-204 -H-207; 1991.
- Chiarella, W.: Cleaning and handling of optical components. In The Photonics Design and Applications Handbook (Book 3). Pittsfield, MA: Laurin Publishing Co., pp. H-317 H-320; 1991.
- Kues, H.A. and G.A. Lutty: Dyes can be deadly. Laser Focus 11(4): 69-60; 1975.
- Lawrence Livermore National Lab: Laser Dyes. Section 14.11, LLNL Environment, Safety and Health Manual http://www.llnl.gov/es_and_h/hsm/doc_14.11/doc14-11.html
- Miller, G.: Industrial hygiene concerns of laser dyes. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser institute of America, pp. 3-97 3-103; 1991.
- Miyazoe, Y. and M. Maeda: Stimulated emission from 19 polymethine dyes--laser action over the continuous range of 710-1060 mµ. Appl. Phys. Letters 12: 206-208; 1968.
- Mosovsky, J.A.: Laser dye toxicity, hazards, and recommended controls (Report No. UCRL-89148). Livermore, CA: Lawrence Livermore National Laboratory; 1983.

Wuebbles, B.J.Y. and J.S. Felton: Evaluation of laser dye mutagenicity using the Ames/Salmonella microsome test. Environ. Mut. 7: 511-522; 1985.

5 Biological.

5.1 LGAC.

- Albrecht, H. and W. Waesche: Evaluation of potential health hazards caused by laser and RF surgery. Proc. SPIE 2624:200-204; 1996.
- Felten, R.P.: Summary of laser plume effects and safety session. Journal of Laser Applications 1(2): 4-5; 1989.
- Freitag, L., et al.: Laser smoke effect on the bronchial system. Lasers Surg. Med. 7: 283-288; 1987.
- Kokosa, J.M. and M.D. Benedetto: Probing plume protection problems in the health care environment. Journal of Laser Applications 4(3): 39-43; 1992.
- Kokosa, J.M. and J. Eugene: Chemical composition of laser-tissue interaction smoke plume. Journal of Laser Applications 1(3): 59-63; 1989.
- Moss, C.E., et al.: NIOSH Health Hazard Evaluation Report HETA 88-101-2008, University of Utah Health Sciences Center, Salt Lake City, Utah. Springfield, VA: National Technical Information Service (PB91-107789); 1990.
- Occupational Safety and Health Administration (OSHA): Laser/Electrosurgery Plume web page: http://www.osha.gov/SLTC/laserelectrosurgeryplume/index.html
- Wasche, W. and H. Albrecht: Investigation of the distribution of aerosols and VOC in plume produced during laser treatment under OR conditions. Proc. SPIE 2624: 270-275; 1996.
- Weber, L. and T. Meier: Concepts of risk assessment of complex chemical mixtures in laser pyrolysis fumes. Proc. SPIE 2624: 259-269; 1996.
- Weigmann, H.-J., et al.: Permanent gases and highly volatile organic compounds in laser plume. Proc. SPIE 2923: 164-167; 1996.
- Ziegler, B.L., et al.: Generation of infectious retrovirus aerosol through medical laser irradiation. Lasers Surg. Med. 22: 37-41; 1998.

5.2 Infectious Agents.

- Abramson, A.L., T.P. DiLorenzo, and B.M. Steinberg: Is Papillomavirus detectable in the plume of laser-treated laryngeal Papilloma? Arch. Otolaryngol. Head Neck Surg. 116: 604-607; 1990.
- Baggish, M.S., et al.: Presence of human immunodeficiency virus DNA in laser smoke. Lasers Surg. Med. 11: 197-203; 1991.
- Bellina, J.H., R.L. Stjernholm, and J.E. Kurpel: Analysis of plume emissions after Papovavirus irradiation with the carbon dioxide laser. J. Reprod. Med. 27: 268-270; 1982.
- Benedetto, M.D. and J.M. Kokosa: Laser plume hazards in the healthcare environment. Proc. SPIE 1892: 188-194; 1993.

- Byrne, P.O. et al.: Carbon dioxide laser irradiation of bacterial targets in vitro. J. Hosp. Infect. 9: 265-273; 1987.
- Capizzi, P.J., R.P. Clay, and M.J. Battey: Microbiologic activity in laser resurfacing plume and debris. Lasers Surg. Med. 23: 172-174; 1998.
- Ediger, M.N. and L.S. Matchette: In vitro production of viable bacteriophage in a laser plume. Lasers Surg. Med. 9: 296-299; 1989.
- Felten, R.P.: Summary of laser plume effects and safety session. Journal of Laser Applications 1(2): 4-5; 1989.
- Ferenczy, A., C. Bergeron, and R.M. Richart: Human Papillomavirus DNA in CO2 laser generated plume of smoke and its consequences to the surgeon. Obstet. Gynecol. 75: 114-118; 1990.
- Furzikov, N.P., et al.: Relative efficiency and products of atherosclerotic plaque destruction by pulsed laser radiation. Lasers Life Sci. 1(4): 265-274; 1987.
- Lobraico, R.V., M.J. Schifano, and K.R. Brader: A retrospective study on the hazards of the carbon dioxide laser plume. Journal of Laser Applications 1(1): 6-8; 1988.
- Matchette, L.S., et al.: In vitro production of viable bacteriophage in carbon dioxide and argon laser plumes. Lasers Surg. Med. 11: 380-384; 1991.
- Matchette, L.S., T.J. Vegella, and R.W. Faaland: Viable bacteriophage in CO2 laser plume: aerodynamic size distribution. Lasers Surg. Med. 13: 18-22; 1993.
- Nezhat, C., et al.: Smoke from laser surgery: is there a health hazard? Lasers Surg. Med. 7: 376-382; 1987.
- Sawchuk, W.S. and R.P. Felten: Infectious potential of aerosolized particles. Arch. Dermatol. 125: 1689-1692; 1989.
- Sawchuk, W.S. et al.: Infectious Papillomavirus in the vapor of warts treated with carbon dioxide laser or electrocoagulation: detection and protection. J. Am. Acad. Dermatol. 21: 41-49; 1989.
- Treffler, B., et al.: Investigations of pulsed laser tissue ablation by short-time exposure video recording and image processing. Proc. SPIE 2624:226-233; 1996.
- Walker, N.P.J., J. Matthews, and S.W.B. Newsom: Possible hazards from irradiation with the carbon dioxide laser. Lasers Surg. Med. 6: 84-86; 1986.
- Weber, L.: Spreading of infectious materials from the laser interaction zone: viruses and bacteria. Proc. SPIE 2923: 178-181; 1996.
- Ziegler, B.K., et al.: Generation of infectious retrovirus aerosol through medical irradiation. Lasers Surg. Med. 22: 37-41; 1998.

6 Control Measures.

- American Conference of Governmental Industrial Hygienists: Industrial Ventilation--A Manual of Recommended Practice. Cincinnati, OH: ACGIH (or latest revision thereof).
- Baggish, M.S., P. Baltoyannis, and E. Sze: Protection of the rat lung from the harmful effects of laser smoke. Lasers Surg. Med. 8: 248-253; 1988.

- Ball, R.D., B. Kulik, and S.L. Tan: The assessment and control of hazardous by-products from materials processing with CO2 lasers. In Industrial Laser Handbook. Pennwell Publishing Co., pp. 154-164; 1989.
- Benoit, H., J. Clark, and W.J. Keon: Installation of a commercial excimer laser in the operating room. Journal of Laser Applications 1(3): 45-50; 1989.
- Caldwell, C.: Laser fire protection. In Proceedings of the 1992 International Laser Safety Conference. Orlando, FL: Laser Institute of America, 4I-1 4I-9; 1993.
- Council on Scientific Affairs, American Medical Association: Lasers in medicine and surgery. J. Am. Med. Assoc. 256: 900-907; 1986.
- ECRI: Laser smoke evacuators. Health Devices 1: 1990.
- Fleeger, A. and C.E. Moss: NIOSH Health Hazard Evaluation Report HETA 89-331-2078, Photon Dynamics Ltd., Inc., Longwood, Florida. Springfield, VA: National Technical Information Service (PB91-188946); 1990.
- Fried, M.P. et al.: Laser resistant stainless steel endotracheal tube: experimental and clinical evaluation. Lasers Surg. Med. 11: 301-306; 1991.
- Garner, R.K.: Research, development and future of filtration methods. In Proceedings of the 1992 International Laser Safety Conference. Orlando, FL: Laser Institute of America, 4M-21 - 4M-24; 1993.
- Haferkamp, H., et al.: Air contaminants generated during laser processing of organic materials and protective measures. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser Institute of America, pp. 209-218; 1997.
- Hitchcock, R.T. (ed.): LIA Guide to Non-beam Hazards Associated with Laser Use. Orlando, FL: Laser Institute of America; 1999.
- Hitchcock, R.T. and R..M. Patterson: Radio-Frequency and ELF Electromagnetic Energies -A Handbook for Health Professionals. New York: Van Nostrand Reinhold; 1995.
- Itoh, K.: Environmental protection in laser processing in Japan. In ICALEO '92 Laser Materials Processing. Orlando, FL: Laser Institute of America, pp. 348-353; 1992.
- Kestenbaum, A., R.J. Coyle, and P.P. Solan: Safe laser system design for production. Journal of Laser Applications 7: 31-37; 1995.
- Kokosa, J.M. and M.D. Benedetto: Probing plume protection problems in the health care environment. Journal of Laser Applications 4(3): 39-43; 1992.
- Kumar, A. and E. Frost: Prevention of fire hazard during laser microsurgery. Anesthesiology 54: 350; 1981.
- Lawrence Livermore National Lab: Laser Dyes. Section 14.11, LLNL Environment, Safety and Health Manual http://www.llnl.gov/es_and_h/hsm/doc_14.11/doc14-11.html
- Liu, B.Y.H., K.L. Rubow, and D.Y.H. Pui: Performance of HEPA and ULPA filters. Paper presented at the 31st Annual Technical Meeting of the Institute of Environmental Sciences, Las Vegas, NV; April 29-May 2, 1985.

- Lobraico, R.V.: Laser safety in health care facilities. Journal of Laser Applications 4(1): 37-41; 1992.
- Lorenz, A.K.: Gas handling safety for laser makers and users. Lasers and Applications 6(3): 69-73; 1987.
- Miller, R.L.: Characteristics of blood-containing aerosols generated by common powered dental instruments. Am. Ind. Hyg. Assoc. J. 56:670-676; 1995.
- Milstein, H.G.: A simple solution to decreasing the hazards of carbon dioxide laser plume in the operating room (letter); Groot, D. (reply). J. Am. Acad. Dermatol. 20: 708; 1989.
- Moss, C.E.: Control measures necessary for limiting occupational exposures in laser surgical procedures. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser institute of America, pp. 3-1 3-21; 1991.
- Moss, C.E., et al.: NIOSH Health Hazard Evaluation Report HETA 88-101-2008, University of Utah Health Sciences Center, Salt Lake City, Utah. Springfield, VA: National Technical Information Service (PB91-107789); 1990.
- Moss, C.E. and T. Seitz: Hazard Evaluation and Technical Assistance Report No. HETA-90-102-L2075, Ebtec East, Agawam, Massachusetts. Springfield, VA: National Technical Information Service (PB91-146233); 1990.
- National Fire Protection Association: Standard for Laser Fire Protection (NFPA 115). Qunicy, MA: NFPA; 2003.
- National Institute of Occupational Safety and Health (NIOSH): Control of smoke from laser/ electric surgical procedures, (http://www.cdc.gov/niosh/hc11.html).
- Ott, D.E.: Proposal for a standard for laser plume filter technology. Journal of Laser Applications 6(2): 108-110; 1994.
- Pashayan, A.G., et al.: The helium protocol for laryngotracheal operations with CO2 laser: a retrospective review of 523 cases. Anesthesiology 68: 801-804; 1988.
- Sawchuk, W.S. et al.: Infectious Papillomavirus in the vapor of warts treated with carbon dioxide laser or electrocoagulation: detection and protection. J. Am. Acad. Dermatol. 21: 41-49; 1989.
- Sliney, D.H. et al.: Semitransparent curtains for control of optical radiation hazards. Appl. Opt. 20: 2352-2366; 1981.
- Smith, J.P., et al.: Evaluation of a smoke evacuator used for laser surgery. Lasers Surg. Med. 9: 276-281; 1989.
- Smith, J.P., J.L. Topmiller, and S. Shulman: Factors affecting emission collection by surgical smoke evacuators. Lasers Surg. Med. 10: 224-233; 1990.
- Sosis, M.: Polyvinylchloride endotracheal tubes are hazardous for CO2 laser surgery (letter); Pashayan, A.G. et al. (reply). Anesthesiology 69: 801-802; 1988.
- Sosis, M.B. and F.X. Dillon: Comparison of CO2 laser ignition of the Xomed plastic and rubber tracheal tubes. In Proceedings of the 1992 International Laser Safety Conference. Orlando, FL: Laser Institute of America, 4M-13 4M-16; 1993.

- Streifel, A.J. and D. Akale: Evaluation of methods for limiting exposure to laser plume. In Proceedings of the 1992 International Laser Safety Conference. Orlando, FL: Laser Institute of America, 4M-25; 1993.
- Troutman, K.R.: Ventilation system design for industrial laser operation. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser institute of America, pp. 3-55 - 3-67; 1991.
- Willeke, K. et al.: Penetration of airborne microorganisms through a surgical mask and a dust/mist respirator. Am. Ind. Hyg. Assoc. J. 57:348-355; 1996.
- Wollmer, W.: Protection measures against the influences of laser plume in medical applications. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser Institute of America, pp. 372-382; 1997.
- Yeh, C.R.: New capture and collection technology assures removal of surgical smoke. In Proceedings of the International Laser Safety Conference. Orlando, FL: Laser Institute of America, pp. 393-395; 1997.