

# Chapter 28

## REFERENCES

1. Kusumaphanyo C, Charuluxananan S, Sriramatr D, Pulnitiporn A, Sriraj W. The Thai Anesthesia Incident Monitoring Study (Thai AIMS) of anesthetic equipment failure/malfunction: an analysis of 1996 incident reports. *J Med Assoc Thai.* 2009;92(11):1442-1449.
2. Webster JG, ed. *Medical Instrumentation: Application and Design.* 3rd ed. New York, NY: John Wiley; 1998.
3. Behari J, Rai DV. Effect of some physiologically important drugs on the skin impedance. *Med Biol Eng Comput.* 1981;19:244-246.
4. Guyton AC. Membrane potentials and action potentials. *Textbook of Medical Physiology.* 7th ed. Philadelphia, PA: WB Saunders; 1986.
5. Inrich W. The fundamental law of electrostimulation and its application to defibrillation. *Pacing Clin Electrophysiol.* 1990;13:1433-1447.
6. Ideker RE, Dosdall DJ. Can the direct cardiac effects of the electric pulses generated by the TASER X26 cause immediate or delayed sudden cardiac arrest in normal adults? *Am J Forensic Med Pathol.* 2007;28(3):195-201.
7. Dawes DM, Ho JD, Reardon RF, Miner JR. Echocardiographic evaluation of TASER X26 probe deployment into the chests of human volunteers. *Am J Emerg Med.* 2010(28):49-55.
8. Wilcott R. On the role of the epidermis in the production of skin resistance and potential. *J Comp Physiol Psychol.* 1959;52(6):642-649.
9. van Boxtel A. Skin resistance during square-wave electrical pulses of 1 to 10 mA. *Med Biol Eng Comput.* 1977;15:679-687.
10. Faes T, van der Meij H, de Munck J, Heethaar R. The electric resistivity of human tissues (100 Hz-10 MHz): a meta-analysis of review studies. *Physiol Meas.* 1999;20:R1-R10.
11. Hill D. Patient safety with electrical equipment. In: Hill D, ed. *Physics Applied to Anaesthesia.* 4th ed. Boston, MA: Butterworths.
12. Dorsch JA, Dorsch SE. *Understanding Anesthesia Equipment.* 5th ed. Philadelphia, PA: Lippincott Williams & Wilkins; 2008.
13. Barker SJ, Doyle DJ. Electrical safety in the operating room: dry versus wet. *Anesth Analg.* 2010;110(6):1517-1518.
14. National Fire Protection Association. *Healthcare Facilities Handbook.* 7th ed. Quincy, MA: NFPA; 2002.
15. Hillier S, McNiece W, Brooks T, et al. Lessons learned from an operating room emergency evacuation drill. *The Anesthesia Patient Safety Foundation Resource Center.* 2006. [http://www.apsf.org/resource\\_center/newsletter/2006/fall/05drill.html](http://www.apsf.org/resource_center/newsletter/2006/fall/05drill.html). Accessed May 14, 2010.
16. Yasny J, Soffer R. A case of power failure in the operating room. *Anesth Prog.* 2005;52(2):65-69.
17. Centers for Medicare and Medicaid Services. Condition of participation: physical environment. [https://www.cms.gov/CFCsAndCoPs/01\\_Overview.asp#TopOfPage](https://www.cms.gov/CFCsAndCoPs/01_Overview.asp#TopOfPage). March 25, 2005.
18. Joint Commission. <http://www.jcrinc.com/joint-commission-requirements/>. Accessed September 11, 2011.
19. Podnos YD, Williams AR. Fires in the operating room. *Bull Am Coll Surg.* 1997;82(8):14-17.
20. ECRI Institute. New clinical guide to surgical fire prevention: patients can catch fire, here's how to keep them safer. *Health Devices.* 2009;38(10):314-332.
21. Rinder CS. Fire safety in the operating room. *Curr Opin Anaesthesiol.* 2008(21):790-795.
22. ASA Taskforce on Operating Room Fires. Practice advisory for the prevention and management of operating room fires. *Anesthesiology.* 2008;108:786-801.
23. Simpson JI, Wolf GL. Flammability of oesophageal stethoscopes, nasogastric tubes, feeding tubes, and nasopharyngeal airways in oxygen- and nitrous oxide-enriched atmospheres. *Anesth Analg.* 1988(67):1093-1095.
24. Lampotang S, Gravenstein N, Paulus DA, Gravenstein D. Reducing the incidence of surgical fires: supply nasal cannulae with sub-100% O<sub>2</sub> gas mixtures from anesthesia machines. *Anesth Analg.* 2005(101):1407-1412.
25. Barnes AM, Frantz RA. Do oxygen-enriched atmospheres exist beneath surgical drapes and contribute to fire hazard potential in the operating room? *AANA J.* 2000;68:153-161.
26. Meneghetti SC, Morgan MM, Fritz J, Borkowski RG, Djohan R, Zins JE. Operating room fires: optimizing safety. *Plast Reconstr Surg.* 2007;120(6):1701-1708.
27. Praxair. Material Safety Data Sheet for Nitrous Oxide. [http://www.praxair.com/praxair.nsf/7a1106cc7ce1c54e85256a9c005aecd7/b1a0d314cab1210e85256a860081e82b/\\$FILE/p4636f.pdf](http://www.praxair.com/praxair.nsf/7a1106cc7ce1c54e85256a9c005aecd7/b1a0d314cab1210e85256a860081e82b/$FILE/p4636f.pdf). Accessed September 11, 2011.
28. Smith LP, Roy S. Operating room fires in otolaryngology. *Am J Otolaryngol.* 2011;32(2):109-114.
29. Bhananker SM, Posner KL, Chemey FW, Caplan RA, Lee LA, Domino KB. Injury and liability associated with monitored anesthesia care: a closed claims analysis. *Anesthesiology.* 2006;104(2):228-234.

30. Yardley IE, Donaldson LJ. Surgical fires, a clear and present danger. *Surgeon*. 2010;8:87-92.
31. Laster M, Roth P, Eger EI. Fires from the interaction of anesthetics with desiccated absorbent. *Anesth Analg*. 2004;99: 769-774.
32. American Institute of Architects. *2006 Guidelines for Healthcare Facilities*; 2006.
33. Association of Perioperative Nurses. Recommended practices for electrosurgery. *AORN J*. 2004;79(2):432-442; 445-450.
34. Irwin MG, Trinh T, Yao CL. Occupational exposure to anaesthetic gases: a role for TIVA. *Expert Opin Drug Saf*. 2009;8(4): 473-483.
35. American Society of Anesthesiologists. Information for Management in Anesthetizing Areas and the Postanesthesia Care Unit (PACU). 2003. Available at: <http://www.asahq.org/publicationsAndServices/wasteanes.pdf>. Accessed May 2010.
36. OSHA Directorate for Technical Support. Anesthetic Gases: Guidelines for Workplace Exposures. May 18, 2000. Available at: <http://www.osha.gov/dts/osta/anestheticgases/index.html>.
37. OSHA. Anesthetic Gases: Guidelines for Workplace Exposures. 2007. Available at: <http://www.osha.gov/dts/osta/anestheticgases/index.html>. Accessed May 24, 2010.
38. BeaconMedaes. Waste Anesthetic Gas Disposal Systems. <http://www.beaconmedaes.com/pdfs/WAGD.pdf>. Accessed September 11, 2011.
39. Ismail S, Khan F, Sultan N, Naqvi M. Radiation exposure of trainee anaesthetists. *Anaesthesia*, 2006;61(1): 9-14.
40. International Commission on Radiological Protection. *Radiation and Your Patient: A Guide for Medical Practitioners*. [http://www.icrp.org/docs/Rad\\_for\\_GP\\_for\\_web.pdf](http://www.icrp.org/docs/Rad_for_GP_for_web.pdf). Accessed September 11, 2011.
41. United Nations Scientific Committee on the Effects of Atomic Radiation. *Effects of Atomic Radiation*. New York, NY: Author; 2000.
42. Fishman S, Smith H, Meleger A, Seibert JA. Radiation safety in pain medicine. *Reg Anesth Pain Med*. 2002;27(3): 296-305.
43. OSHA. *Toxic and Hazardous Substances: Ionizing Radiation* 1996. 1910.1096. [http://www.osha.gov/pls/oshaweb/owadisp.show\\_document?p\\_table=STANDARDS&p\\_id=10098](http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10098). Accessed September 11, 2011.
44. NIOSH. *Preventing Occupational Exposure to Antineoplastic and Other Hazardous Drugs in Health Care Settings*. September 2004. 2004-165.
45. Schmid K, Boettcher MI, Pelz J, et al. Investigations on safety of hyperthermic intraoperative intraperitoneal chemotherapy (HIPEC) with mitomycin C. *Eur J Surg Oncol*. 2006;32(3): 1222-1225.
46. White SK, Stephens AD, Sugarbaker PH. Hyperthermic intraoperative intraperitoneal chemotherapy safety considerations. *AORN J*. 1996;63(4):716-724.
47. Beaujard AC, Rague P, Gruner MC, et al. HIPEC Legal and Environmental Aspects. Paper presented at: 6th Peritoneal Workshop 2008, 2008; Lyon, France.
48. United States Food and Drug Administration. MAUDE—Manufacturer and User Facility Device Experience. Available at: <http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfmaude/search.cfm>. Accessed May 24, 2010.
49. NIOSH. Waste Anesthetic Gases—Occupational Hazards in Hospitals. September 2007. Available at: <http://www.cdc.gov/niosh/docs/2007-151/>.
50. US Department of Health and Human Services. *2009 CMS Statistics* 2009. CMS Pub. No. 03497.
51. United States Department of Health and Human Services. Overview Conditions for Coverage (CfC) & Conditions of Participation (CoP). *Centers for Medicare and Medicaid Services*. Available at: <https://www.cms.gov/CFCsAndCoPs/>. Accessed May 24, 2010.
52. Lucas C, van der Veen F, Grandjean P, Penn O, Wellens H. What is the ideal pulse frequency for skeletal muscle stimulation after cardiomyoplasty? *Pacing Clin Electrophysiol*. 2006;14(5):778-782.
53. ASA Task force on Anesthetic Gases. *Information for Management in Anesthetizing Areas and the Postanesthesia Care Unit (PACU)*.
54. Wrixon A. New ICRP recommendations. *J Radiol Prot*. 2008;28:161-168.
55. ECRI Institute. A clinician's guide to surgical fires. How they occur, how to prevent them, how to put them out. *Health Devices*. 2003;32(5):5-24.
56. Sevoflurane and desiccated CO<sub>2</sub> absorbent may cause fire. *Reactions*. 2004;1(985):2.