

Virtual Mentor

American Medical Association Journal of Ethics
February 2007, Volume 9, Number 2: 147-157.

Suggested readings and resources

February 2007

Ackerman SJ, Steinberg EP, Bryan RN, BenDebba M, Long DM. Trends in diagnostic imaging for low back pain: has MR imaging been a substitute or add-on? *Radiology*. 1997;203:533-538.

American Association of Orthopaedic Surgeons. Opinion on Ethics, Gifts and the Orthopaedic Surgeon's Relationship with Industry, February 5, 2002. *Opinion on Ethics and Professionalism*. Gifts and the Orthopaedic Surgeon's Relationship with Industry, in Guide to the Ethical Practice of Orthopaedic Surgery. 2003:41. Available at: <http://www.aaos.org/about/papers/ethics/1204eth.asp>. Accessed January 3, 2007.

American Medical Association. American Medical Association's medical liability crisis map. Available at: <http://www.ama-assn.org/go/crisismap>. Accessed December 3, 2006.

American Medical Association. Opinion 2.20 Withholding or withdrawing life-sustaining medical treatment. *Code of Medical Ethics*. Available at: <http://www.ama-assn.org/ama/pub/category/8457.html>. Accessed January 5, 2007.

American Medical Association. Opinion 8.061 Gifts to physicians from industry. *Code of Medical Ethics*. Available at: <http://www.ama-assn.org/ama/pub/category/4001.html>. Accessed January 13, 2007.

American Medical Association. Opinion 8.085 Waiver of informed consent for research in emergency situations. *Code of Medical Ethics*. Available at: <http://www.ama-assn.org/ama/pub/category/8490.html>. Accessed January 17, 2007.

Bamberg M, Budwig, N. Therapeutic misconceptions: when the voices of caring and research are misconstrued as the voice of curing. *Ethics Behav*. 1992;2:165-184.

Basta LL. End-of-life and other ethical issues related to pacemaker and defibrillator use in the elderly. *Am J Geriatr Cardiol*. 2006;15:114-117.

Basta LL. *Life and Death on Your Own Terms*. Amherst, NY: Prometheus Books; 2001:211-230.

Basta LL, McIntosh HD. Project GRACE (Guidelines for Resuscitation And Care at the End-of-life). *Clinical Cardiology*. 2000;23. Available at: <http://www.clinicalcardiology.org/productcart/pc/supplements/CC23S2/cc23s2.full.pdf>. Accessed December 5, 2006.

Beckman HB, Markakis KM, Suchman AL, Frankel RM. The doctor-patient relationship and malpractice. Lessons from plaintiff depositions. *Arch Intern Med*. 1994;154:1365-1370.

Benabid AL, Deuschl G, Lang AE, Lyons KE, Rezai AR. Deep brain stimulation for Parkinson's disease. *Mov Disord*. 2006; 21 (Suppl 14):S168-S170.

Berger JT. The ethics of deactivating implanted cardioverter defibrillators. *Ann Intern Med*. 2005;142:631-634.

Berger TW, Ahuja A, Courellis SH, et al. Restoring lost cognitive function. *IEEE Eng Med Biol Mag*. 2005;24:30-44.

Berger TW, Granacki JJ, Marmarelis VZ, Sheu BJ, Tanguay AR. Brain-implantable biomimetic electronics as neural prosthetics. Engineering in Medicine and Biology Society, 2003. *Proceedings of the 25th Annual International Conference of the IEEE*. 2003;2:1956-1959.

Berlin I. *Four Essays on Liberty*. New York, NY: Oxford University Press; 1969:169.

Blume SS. *Insight and Industry: on the Dynamics of Technological Change in Medicine*. Cambridge, Mass: MIT Press; 1992.

Boer GJ, Widner H. Clinical neurotransplantation: core assessment protocol rather than sham surgery as control. *Brain Res Bull*. 2002;58:547-553.

Borenstein DG. Epidemiology, etiology, diagnostic evaluation, and treatment of low back pain. *Curr Opin Rheumatol*. 2001;13:128-134.

Bramstedt KA. Contemplating total artificial heart inactivation in cases of futility. *Death Stud*. 2003;27:295-304.

Bramstedt KA. The use of advance directives and DNR orders in decision-making regarding the inactivation of implantable cardioverter-defibrillators in terminal patients. *Cardiovasc Rev Rep*. 2001;21:175-176.

Bramstedt KA, Wenger NS. When withdrawal of life-sustaining care does more than allow death to take its course: the dilemma of left ventricular assist devices. *J Heart Lung Transplant*. 2001;20:544-548.

Bruhn JG. The doctor's touch: tactile communication in the doctor-patient relationship. *South Med J*. 1978;71:1469-1473.

Capozzi JD, Rhodes R, DelSignore JL. Ethics in practice: medical education and corporate sponsorship. *J Bone Joint Surg Am*. 2003;85-A:168-170.

Caring Connections. *Advance Care Planning*. Available at: <http://www.caringinfo.org/i4a/pages/Index.cfm?pageid=3425>. Accessed October 25, 2006.

Carragee EJ. Clinical practice. Persistent low back pain. *N Engl J Med*. 2005;352:1891-1898.

Carrese JA. Refusal of care: patients' well-being and physicians' ethical obligations. "But Doctor, I want to go home." *JAMA*. 2006;296:691-695.

Center for Medicare Services. Medicare physician fee schedule. Available at: <http://www.cms.hhs.gov/apps/pfslookup/step0.asp>. Accessed December 15, 2006.

Charon R. The patient-physician relationship. Narrative medicine: a model for empathy, reflection, profession, and trust. *JAMA*. 2001;286:1897-1902.

Chren MM, Landefeld CS. Physicians' behavior and their interactions with drug companies: A controlled study of physicians who requested additions to a hospital drug formulary. *JAMA*. 1994;271:684-689.

Combs CD. Startling technologies promise to transform medicine. *BMJ*. 2006;333:1308-1311.

Crouch RA. Letting the deaf be deaf. Reconsidering the use of cochlear implants in prelingually deaf children. *Hastings Cent Rep*. 1997;27:14-21.

Cruzan v Director, Missouri Dept of Health, 497 US 261, 305 (1990).

Declaration of Helsinki. Available at: <http://www.wma.net/e/policy/b3.htm>. Accessed January 17, 2007.

Derse A. Emergency research and consent: keeping the exception from undermining the rule. *Am J Bioeth*. 2006;6:36-37.

Deyo RA, Weinstein JN. Low back pain. *N Engl J Med*. 2001;344:363-370.

Donald M. *Origins of the Modern Mind: Three Stages in the Evolution of Culture and Cognition*. Cambridge, Mass: Harvard University Press; 2005.

Dougherty AH. In defense of the PolyHeme trial (letter to the editor). *Am J Bioeth.* 2006;6:W35. Available at: http://www.bioethics.net/journal/j_articles.php?aid=998.

Dull P, Haines DJ. Methods for teaching physical examination skills to medical students. *Fam Med.* 2003;35:343-348.

Edward SJ, Stevens AJ, Brauholtz DA, Lilford RJ, Swift T. The ethics of placebo-controlled trials: a comparison of inert and active placebo controls. *World J Surg.* 2005;29:610-614.

Emanuel EJ, Wendler D, Grady C. What makes clinical research ethical? *JAMA.* 2000;283:2701-2711.

Englert H. Hört, hört! *Gehirn & Geist.* 2006;7-8:63-70.

Engstrom JW. Back and neck pain. In: Kasper DL, Harrison TR. *Harrison's Principles of Internal Medicine.* 16th ed. New York, NY: McGraw-Hill Medical Publishing Division; 2005. Available at: <http://www.accessmedicine.com/resourceTOC.aspx?resourceID=4>. Accessed December 5, 2006.

Exception from informed consent requirement for emergency research. 21 CFR sec.50.24(a).

Finch P. Technology insight: imaging of low back pain. *Nat Clin Pract Rheumatol.* 2006;2:554-561.

Food and Drug Administration. 1998 Update: Exception from informed consent for studies conducted in emergency settings: regulatory language and excerpts from preamble. *Guidance for Institutional Review Boards and Clinical Investigators.* Available at: <http://www.fda.gov/oc/ohrt/irbs/except.html>.

Fost N. Waived consent for emergency research. *Am J Law Med.* 1998;24:163-183.

Friehs GM, Zerris VA, Ojakangas CL, Fellows MR, Donoghue JP. Brain-machine and brain-computer interfaces. *Stroke.* 2004;35:11 (Suppl 1):2702-2705.

Gasson NM, Hutt BD, Goodhew I, Kyberd PJ, Warwick K. Invasive neural prosthesis for neural signal detection and nerve stimulation. *International Journal of Adaptive Control and Signal Processing.* 2005;19:365-375.

Gelijns AC, Rosenberg N, Moskowitz AJ. Capturing the unexpected benefits of medical research. *N Engl J Med.* 1998;339:693-698.

Gillick M. The high costs of dying. A way out. *Arch Intern Med.* 1994;154:2134-2137.

- Goodman L. Nonconsensual science. *J Clin Invest*. 2004;114:144-145.
- Goodman v United States*. 298 F3d 1048 (9th Cir 2002).
- Gorman C. Will robots make house calls? *Time*. 1999;154:92-93.
- Gray CH. *Cyborg Citizen: Politics in the Posthuman Age*. New York, NY: Routledge; 2001.
- Greatbatch W, Holmes CF. History of implantable devices. *Engineering in Medicine and Biology Magazine, IEEE*. 1991;10:38-41, 49.
- Grisso T, Appelbaum PS. Comparison of standards for assessing patients' capabilities to make treatment decisions. *Am J Psychiatry*. 1995;152:1033-1037.
- Hampton T. Back pain is a money drain. *JAMA*. 2004;291:415.
- Haughton V. Medical imaging of intervertebral disc degeneration: current status of imaging. *Spine*. 2004;29:2751-2756.
- Haygood TM, Auringer ST. Musculoskeletal Imaging. In: Chen MYM, Pope TL, Ott DJ, et al. *Basic Radiology*. New York, NY: McGraw-Hill Companies; 2004. Available at: <http://www.accessmedicine.com/resourceTOC.aspx?resourceID=75>. Accessed December 5, 2006.
- Hickey DP. The disutility of advance directives: we know the problems, but are there solutions? *J Health Law*. 2003;36:455-473.
- Hochberg LR, Serruya MD, Friehs GM, et al. Neuronal ensemble control of prosthetic devices by a human with tetraplegia. *Nature*. 2006;442:164-171.
- Holloway KFC. Accidental communities: race, emergency medicine, and the problem of PolyHeme. *Am J Bioeth*. 2006;6:1-11;
- Horng S, Miller FG. Ethical framework for the use of sham procedures in clinical trials. *Crit Care Med*. 2003;31(Supp 3):S126-S130.
- Humphreys SC, Eck JC. Clinical evaluation and treatment options for herniated lumbar disc. *Am Fam Physician*. 1999;59:575-582; 587-588. Available at: <http://www.aafp.org/afp/990201ap/575.html>. Accessed January 5, 2007.
- Huntington B, Kuhn N. Communication gaffes: a root cause of malpractice claims. *Proc (Bayl Univ Med Cent)*. 2003;16:157-161.

Illes J, Fan E, Koenig BA, Raffin TA, Kann D, Atlas SW. Self-referred whole-body CT imaging: current implications for health care consumers. *Radiology*. 2003;228:346-351.

Illes J, Kann D, Karetsky K, et al. Advertising, patient decision-making, and self-referral for CT and MR imaging. *Arch Intern Med*. 2004;164:2415-2419.

In re Estate of Allen, 365 Ill App 3d 378, 386 (Ill App 2nd Dist 2006).

Japsen B. Blood substitute “a disaster” in trial. *Chicago Tribune*. December 20, 2006. Available at: <http://www.chicagotribune.com/business/chi-0612200304dec20,1,1382811.story>.

Jarvik JG, Deyo RA. Diagnostic evaluation of low back pain with emphasis on imaging. *Ann Intern Med*. 2002;137:586-597.

Jones DG. Enhancement: are ethicists excessively influenced by baseless speculations? *Medical Humanit*. 2006;32:77-81.

Jonsen A, Siegler M, Winslade W. *Clinical Ethics: A Practical Approach to Ethical Decisions in Clinical Medicine*. 3rd ed. New York, NY: McGraw-Hill; 1992.

Kennedy PR, Bakay RA. Restoration of neural output from a paralyzed patient by a direct brain connection. *Neuroreport*. 1998;9:1707-1711.

Kipnis K, King NMP, Nelson RM. An open letter to IRBs considering Northfield Laboratories' PolyHeme Trial. *Am J Bioeth*. 2006;6:18-21.

Laennec RTH. *A Treatise on the Diseases of the Chest*. Forbes J, trans-ed. [Translated from the 1st French edition. London: T & G Underwood, 1821.] New York, NY: Macmillan (Hafner Press); 1962.

Lane H, Bahan B. Ethics of cochlear implantation in young children: a review and reply from a Deaf-World perspective. *Otolaryngol Head Neck Surg*. 1998;119:297-313.

Lane H, Grodin M. Ethical issues in cochlear implant surgery: an exploration into disease, disability, and the best interests of the child. *Kennedy Inst Ethics J*. 1997;7:231-251.

Larson DG, Tobin DR. End-of-life conversations: evolving practice and theory. *JAMA*. 2000;284:1573-1578.

Lebedev MA, Nicolelis MA. Brain-machine interfaces: past, present and future. *Trends Neurosci*. 2006;29:536-546.

Levinsky NG. Nonfinancial conflicts of interest in research. *N Eng J Med*. 2002;347:759-761.

Levinson W, Gorawara-Bhat R, Lamb J. A study of patient clues and physician responses in primary care and surgical settings. *JAMA*. 2000;284:1021-1027.

Levy N. Deafness, culture and choice. *J Med Ethics*. 2002;28:284-285.

Lewis C. Emerging trends in medical device technology: home is where the heart monitor is. *U.S. Food and Drug Administration FDA Consumer Magazine* [serial online]. May-June 2001. Available at: http://www.fda.gov/fdac/features/2001/301_home.html. Accessed January 7, 2006.

Logothetidis S. Nanotechnology in medicine: The medicine of tomorrow and nanomedicine. *Hippokratia*. 2006;10:7-21.

Luce JM, Cook DJ, Martin TR, et al, and the American Thoracic Society. The ethical conduct of clinical research involving critically ill patients in the United States and Canada. *Am J Respir Crit Care Med*. 2004;170:1375-1384.

Mack MJ. Minimally invasive and robotic surgery. *JAMA*. 2001;285:568-572.

Madigan JD, Barbone A, Choudrhi AF, et al. Time course of reverse remodeling of the left ventricle during support with a left ventricular assist device. *J Thorac Cardiovasc Surg*. 2001;121:902-908.

Mangione S, Nieman LZ. Cardiac auscultatory skills of internal medicine and family practice trainees. A comparison of diagnostic proficiency. *JAMA*. 1997;278:717-722.

McCormick BB, Tomlinson G, Brill-Edwards P, Detsky AS. Effects of restricting contact between pharmaceutical company representatives and internal medicine residents on posttraining attitudes and behavior. *JAMA*. 2001;286:1994-1999.

McNally EG, Wilson DJ, Ostlere SJ. Limited magnetic resonance imaging in low back pain instead of plain radiographs: experience with first 1000 cases. *Clin Radiol*. 2001;56:922-925.

Meisel A. Legal myths about terminating life support. *Arch Intern Med*. 1991;151:1497-1502.

Miller P, Weijer C. Fiduciary obligation in clinical research. *J Law Med Ethics*. 2006;34:424-437.

Mithen S. *The Prehistory of the Mind*. London: Phoenix Press; 1998.

Morreim EH, Webb GE, Gordon HL, et al. Innovation in human research protection: the AbioCor artificial heart trial. *Am J Bioethics*. 2006;6:W6-W16.

Multi-Society Task Force on PVS, American Academy of Neurology. Medical aspects of permanent vegetative state, part 2. *N Engl J Med*. 1994;330:1572-1579.

Murphy KM, Topel RH. The economic value of medical research. In: Murphy KM, Topel, RH, eds. *Measuring the Gains from Medical Research: An Economic Approach*. Chicago, Ill: The University of Chicago Press; 2003:41-73.

Naish C, Mitchell R, Innes J, Halliwell M, McNally D. Ultrasound imaging of the intervertebral disc. *Spine*. 2003;28:107-113.

National Institutes of Health. Financial conflicts of interest and research objectivity: issues for investigators and institutional review boards. Release date: June 5, 2000. Available at: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-00-040.html>. Accessed January 6, 2007.

Northfield Laboratories. Questions and answers. PolyHeme trauma trial. FAQ. Available at: <http://www.northfieldlabs.com/downloads/PolyHeme%20TraumaTrialFAQ.pdf>. Accessed January 17, 2007.

Ohl FW, Scheich H, Freeman WJ. Change in pattern of ongoing cortical activity with auditory category learning. *Nature*. 2001;412:733-736.

Orlowski JP, Wateska L. The effects of pharmaceutical firm enticements on physician prescribing patterns: There's no such thing as a free lunch. *Chest*. 1992;102:270-273.

Osler W. *Sir William Osler: Aphorisms from His Bedside Teachings and Writings*. Springfield, Ill: Charles C. Thomas Publisher; 1961:129. Quoted from Thayer W. Osler, the teacher. *Bull Johns Hopkins Hosp*. 1919;30:198.

Paauw DS, Wenrich MD, Curtis JR, Carline JD, Ramsey PG. Ability of primary care physicians to recognize physical findings associated with HIV infection. *JAMA*. 1995;274:1380-1382.

Pasman HRW, The BA, Onwuteaka-Phillipsen BD, van der Wal G, Ribbe MW. Feeding nursing home patients with severe dementia: a qualitative study. *J Adv Nurs*. 2003;42:304-311.

Peterman MC, Noolandi J, Blumenkranz MS, Fishman HA. Localized chemical release from an artificial synapse chip. *Proc Natl Acad Sci USA*. 2004;101:9951-9954.

Phoon CK. Must doctors still examine patients? *Perspect Biol Med*. 2000;43:548-561.

Pratt v Davis, 79 NE 562, 564 (Ill 1906); *Lane v Anderson*, 802 NE 2d 1278 (Ill App. 2004).

Racine E, Illes J. Neuroethics for clinicians: healthcare challenges of directly-marketed frontier neurotechnology. In: Singer P, ed. *Bioethics for Clinicians*. Vol 2. Cambridge, England: Cambridge University Press; In press.

Racine E, Van der Loos HZA, Illes J. Internet marketing of neuroproducts: new practices and healthcare policy challenges. *Camb Q Healthc Ethics*. In press.

Reiser SJ. *Medicine and the Reign of Technology*. New York, NY: Cambridge University Press; 2004.

Restatement 2d of Torts, sec. 892D, "Emergency Action Without Consent." Available at: <http://www.state.il.us/court/opinions/AppellateCourt/2006/2ndDistrict/May/Html/2041205.htm>. Accessed January 17, 2007.

Rhodes R, Capozzi JD. The invisible influence of industry inducements. *Am J Bioeth*. 2003;3:65-66.

Riesman D. *The Story of Medicine in the Middle Ages*. New York, NY: Paul B. Hoeber; 1935:28-29, 121.

Rose EA, Gelijns AC, Moskowitz AJ, et al. Long-term mechanical left ventricular assistance for end-stage heart failure. *N Engl J Med*. 2001;345:1435-1443.

Saha P, Saha S. Impact of managed care on the development of new medical technology: ethical concerns. In: Grundfest WS, ed. The role of technology in the cost of health care: providing the solutions. *Proc. Health Care Technology Policy II, SPIE*. 1995;2499:416-423.

Sanpera I Jr, Beguiristain-Gurpide JL. Bone scan as a screening tool in children and adolescents with back pain. *J Pediatr Orthop*. 2006;26:221-225.

Santhanam G, Ryu SI, Yu BM, Afshar A, Shenoy KV. A high-performance brain-computer interface. *Nature*. 2006;442(7099):195-198.

Schloendorff v Society of New York Hospital, 211 NY 125, 105 NE 92 (1914).

Simmons ED, Guyer RD, Graham-Smith A, Herzog R, for the North American Spine Society. Radiograph assessment for patients with low back pain. *Spine J*. 2003;3(3 Suppl):3S-5S.

Snyder L, Leffler C, for the Ethics and Human Rights Committee. American College of Physicians. Ethics manual. 5th ed. *Ann Intern Med.* 2005;142:560-582.

Sonin AH, Boles CA, Rogers LF. The skeletal system: skeletal trauma. In: Grainger RG, Allison DJ, Adam A, Dixon AK, eds. *Grainger and Allison's Diagnostic Radiology: A Textbook of Medical Imaging.* 4th ed. London, New York: Churchill Livingstone; 2001. Available at: <http://home.mdconsult.com/das/book/65690196-2/view/1047>. Accessed December 5, 2006.

Sparrow R. Defending Deaf culture: the case of cochlear implants. *J Polit Philos.* 2005;13:135-152.

Spellecy R. Unproven or unsatisfactory versus equipoise in emergency research with waived consent. *Am J Bioeth.* 2006;6:44-45.

Spriggs, M. Lesbian couple create a child who is deaf like them. *J Med Ethics.* 2002;28:283.

Stanley GB, Li FF, Dan Y. Reconstruction of natural scenes from ensemble responses in the lateral geniculate nucleus. *J Neurosci.* 1999;19:8036-8042.

Starfield B. Is US health really the best in the world? *JAMA.* 2000;284:483-485.

Tervonen O, Lahde S, Vanharanta H. Ultrasound diagnosis of lumbar disc degeneration. Comparison with computed tomography/discography. *Spine.* 1991;16:951-954.

US Food and Drug Administration. *Guidance for Institutional Review Boards and Clinical Investigators—1998 Update—A Guide to Informed Consent.* Available at: <http://www.fda.gov/oc/ohrt/irbs/informedconsent.html>. Accessed January 6, 2007.

Vaughan TM, Heetderks WJ, Trejo LJ, et al. Brain-computer interface technology: A review of the Second International Meeting. *IEEE Transactions on Neural Systems & Rehabilitation Engineering.* 2003;11:94-109.

Verghese A. The calling. *N Engl J Med.* 2005;352:1844-1846.

Warwick K. *I, Cyborg.* New York, NY: Prometheus Press; 2000.

Wazana A. Physicians and the pharmaceutical industry: Is a gift ever just a gift? *JAMA.* 2000;283:373-380.

Webster JT, Waid MC, McKenzie JL. Nano-biotechnology: carbon nanofibres as improved neural and orthopaedic implants. *Nanotechnology.* 2004;15:48-54.

Weiler PC, Newhouse JP, Hiatt HH. Proposal for medical liability reform. *JAMA*. [Special Communication.] 1992;267:2355-2358.

Welch HG, Schwartz L, Woloshin S. What's making us sick is an epidemic of diagnoses. *New York Times*. January 2, 2007:D5.

Wellens FL. How long will the heart still beat? *Tex Heart Inst J*. 2005;32:126-129.

Zaghloul KA, Boahen K. Optic nerve signals in a neuromorphic chip II: Testing and results. *IEEE Trans Biomed Eng*. 2004;51:667-675.

Zoneraich S, Spodick DH. Bedside science reduces laboratory art. Appropriate use of physical findings to reduce reliance on sophisticated and expensive methods. *Circulation*. 1995;91:2089-2092.

Zuger A. For a retainer, lavish care by boutique doctors. *New York Times*. October 30, 2005. Available at: <http://www.nytimes.com/2005/10/30/health/30patient.html?pagewanted=1&ei=5070&en=c5b8e3be331775ef&ex=1168837200&adxnll=1&adxnllx=1168718564-9j1ccSX1+LUGnLkXuMzG+Q>. Accessed January 13, 2007.

Copyright 2007 American Medical Association. All rights reserved.