

AUTHOR INSTRUCTIONS

JOURNAL OF LONG-TERM EFFECTS OF MEDICAL IMPLANTS

DESCRIPTION OF PAPERS CONSIDERED FOR PUBLICATION: The aims of the *Journal of Long-Term Effects of Medical Implants* (JLT) are a better understanding of the mechanisms of failure of preclinically tested medical implants during long-term in vivo service life, both in appropriate animal models and in humans; and establishing an effective linkage between preclinical and clinical studies. Of particular interest are original, critical analyses of data of retrieved implants, interpretive discussions of data based on invasive and noninvasive procedures, and computer modeling of in vivo performance. Also of interest are articles on healthcare technology assessment involving implants and their social impact and economic consequences. We are adding a new dimension to our Journal, which includes health education as well as accident and disease prevention and cure. The Journal will also publish guest editorials, letters to the Editor, and book reviews. All articles are subject to peer review by at least two referees

Medical implants are being used in every organ of the human body. Ideally, medical implants must have biomechanical properties comparable to those of autogenous tissues without any adverse effects. In each anatomic site, studies of the long-term effects of medical implants must be undertaken to determine accurately the safety and performance of the implants. Today, implant surgery has become an interdisciplinary undertaking involving a number of skilled and gifted specialists. For example, successful cochlear implants will involve audiologists, audiological physicians, speech and language therapists, otolaryngologists, nurses, neuro-otologists, teachers of the deaf, hearing therapists, cochlear implant manufacturers, and others involved with hearing-impaired and deaf individuals. A similar list of specialists can be identified for each implant site, from dentistry to cardiovascular surgery. Consequently, scholarly work from all disciplines involved in implants is welcome.

Realizing the interdisciplinary components of successful implant programs, we have considerably expanded the number of members of the Editorial Board. These gifted scholars are recognized as leaders in the field of implants. Each member has been listed with careful identification of academic title, institution, and mailing addresses. Because the ultimate success of implants depends on daily interactive communication, the email addresses of each Editorial Board member has been listed.

The ability to predict long-term in vivo performance of medical implants is of vital interest. The extrapolation of in vitro data to the in vivo environment remains largely unproven. Among major challenges are our limited ability to simulate the complexities of the biological milieu; the current lack of reliable computer modeling of in vivo performance characteristics of implants; and difficulties in evaluating the synergistic contributions of materials, design features, and therapeutic drug regimens.

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Organization as author

Diabetes Prevention Program Research Group. Hypertension, insulin, and proinsulin in participants with impaired glucose tolerance. *Hypertension*. 2002;40(5):679-86.

Both personal authors and an organization as author

Vallancien G, Emberton M, Harving N, van Moorselaar RJ, Alf-One Study Group. European men suffering from lower urinary tract symptoms. *J Urol*. 2003;169(6):2257-61.

No author given

21st century heart solution may have a sting in the tail. *BMJ*. 2002;325(7357):184.

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Personal author(s)

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Editor(s), compiler(s) as author

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Breedlove GK, Schorfheide AM. *Adolescent pregnancy*. 2nd ed. Wiczorek RR, editor. White Plains (NY): March of Dimes Education Services; 2001.

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Royal Adelaide Hospital; University of Adelaide, Department of Clinical Nursing. *Compendium of nursing research and practice development, 1999-2000*. Adelaide (Australia): Adelaide University; 2001.

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Meltzer PS, Kallioniemi A, Trent JM. Chromosome alterations in human solid tumors. In: Vogelstein B, Kinzler KW, editors. *The genetic basis of human cancer*. New York: McGraw-Hill; 2002. p. 93-113.

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Russell ML, Goth-Goldstein R, Apte MG, Fisk WJ. *Method for measuring the size distribution of airborne Rhinovirus*. Berkeley (CA): Lawrence Berkeley National Laboratory, Environmental Energy Technologies

Division; 2002 Jan. Report No.: LBNL49574. Contract No.: DEAC0376SF00098. Sponsored by the Department of Energy.

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Borkowski MM. Infant sleep and feeding: a telephone survey of Hispanic Americans [dissertation]. Mount Pleasant (MI): Central Michigan University; 2002.

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Pagedas AC, inventor; Ancel Surgical R&D Inc., assignee. Flexible endoscopic grasping and cutting device and positioning tool assembly. United States patent US 20020103498. 2002 Aug 1.

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Audiovisual material

Chason KW, Sallustio S. Hospital preparedness for bioterrorism [videocassette]. Secaucus (NJ): Network for Continuing Medical Education; 2002.

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Arsenic in Drinking Water: An Update on the Science, Benefits and Cost: Hearing Before the Subcomm. on Environment, Technology and Standards of the House Comm. on Science, 107th Cong., 1st Sess. (Oct. 4, 2001).

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Pratt B, Flick P, Vynne C, cartographers. Biodiversity hotspots [map]. Washington: Conservation International; 2000.

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Tian D, Araki H, Stahl E, Bergelson J, Kreitman M. Signature of balancing selection in Arabidopsis. Proc Natl Acad Sci U S A. In press 2002.

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CD-ROM

Anderson SC, Poulsen KB. Anderson's electronic atlas of hematology [CD-ROM]. Philadelphia: Lippincott Williams & Wilkins; 2002.

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Aboud S. Quality improvement initiative in nursing homes: the ANA acts in an advisory role. Am J Nurs [serial on the Internet]. 2002 Jun [cited 2002 Aug 12];102(6):[about 3 p.]. Available from:

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Who's Certified [database on the Internet]. Evanston (IL): The American Board of Medical Specialists. c2000 -

[cited 2001 Mar 8]. Available from: <http://www.abms.org/newsearch.asp>.

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