

# Journal of ANDROLOGY

**Editor-in Chief**

Claude Desjardins

**Associate Editor**

Charles J. Flickinger

**Clinical Associate Editors**

Stuart S. Howards  
Johannes D. Veldhuis

**Consulting Editor**

M.-C. Orgebin-Crist

**Editorial Assistant**

Susan Hobbs

**Editorial Board**

Shalender Bhasin  
Kim Boekelheide  
Richard A. Bronson  
Cherrie A. Brown  
Terry R. Brown  
William Byrd  
Robert E. Chapin  
Nicholas L. Cross  
Erwin Goldberg  
Marc Goldstein  
James E. Griffin  
Michael D. Griswold  
Gilbert G. Haas, Jr.  
Gabor B. Huszar  
Ronald W. Lewis

Alvin M. Matsumoto  
John D. McConnell  
Clarke F. Millette  
Gary E. Olson  
Joanne M. Orth  
James W. Overstreet  
Sally D. Perreault  
Martin M. Quigley  
Bernard Robaire  
Alan D. Rogol  
Patricia M. Saling  
Mark Sigman  
Stephen R. Sylvester  
Stephen J. Winters  
Debra J. Wolgemuth

**Editorial Office**

Journal of Andrology, Department of Physiology, Medical Center-Box 449, University of Virginia, Charlottesville, VA 22908, Telephone: (804) 982-0932, FAX: (804) 982-0059, Bitnet: JANDROL@VIRGINIA. Address for courier packages: Jordan Building Room 4-7, 1300 Jefferson Park Avenue.

**Information for Authors**

The Journal of Andrology, the official journal of the American Society of Andrology, publishes original papers and reviews on clinical and laboratory research pertinent to the structure and function of the male reproductive system and gametes. Membership in the Society is not required for submission of a manuscript. Consult the January/February issue for complete information on style, format, page charges, and requirements for submission. Note new information regarding processing fees and electronic editing.

**Announcements**

The Journal will publish, free of charge, announcements of meetings, postgraduate courses, symposia, and other events of interest to andrologists. Announcements should be submitted to the editorial office.

---

**THE AMERICAN SOCIETY OF ANDROLOGY****President**

Ronald S. Swerdloff  
UCLA School of Medicine  
Torrance, CA 90509

**Vice President**

Bernard Robaire  
McGill University  
Montreal, Quebec, Canada

**Treasurer**

Arnold Belker  
University of Louisville  
Louisville, KY 40202

**Secretary**

Barry T. Hinton  
University of Virginia  
Charlottesville, VA 22908

**Business Manager:** Robert A. Schmidt, 309 West Clark Street, Champaign, IL 61820.

**Council:** Deborah J. Anderson, Terry R. Brown, Gilbert G. Haas, Jr., Larry Johnson, Tu Lin, Harris M. Nagler, Patricia Olds-Clarke, Gail Prins, Luis Rodriguez-Rigau, Susan A. Rothmann, Christine Wang

**Publications Committee:** Philip Troen—Chairman, R. H. Hammerstedt, N.B. Hecht, D.F. Katz, R.A. Newton, R.J. Santen, B. R. Zirkin

**Membership:** Membership applications can be obtained from the American Society of Andrology, 309 West Clark Street, Champaign, IL 61820, Telephone: (217) 356-3182, FAX: (217) 398-4119.

**Publisher:** The Journal of Andrology (ISSN 0196-3635) is published bimonthly by the American Society of Andrology, Inc., through J. B. Lippincott Company, at 12107 Insurance Way, Hagerstown, MD 21740. Printed in the USA. © Copyright 1992 by the American Society of Andrology, Inc. Second class postage paid at Hagerstown, MD, and at additional mailing offices.

**Subscription information, orders, or changes of address:** (except Japan, India, Nepal, Bangladesh, Sri Lanka) 12107 Insurance Way, Hagerstown, MD 21740, or call 1-800-638-3030; in Maryland, call collect 301-714-2300. *In Japan*, contact USACO Corporation, 13-12, Shimbashi 1-chome, Mirato-ku, Tokyo 105, Japan. *In India, Nepal, Bangladesh, and Sri Lanka*, contact Universal Subscription Agency, Pvt. Ltd., 101-102 Community Centre (F.F.) Saket, New Delhi-110017, India.

**Annual subscription rates:** North America \$175 individual, \$225 institution; all other countries except Japan, India, Nepal, Bangladesh and Sri Lanka, \$190 individual, \$245 institution. Single copies \$40. Rates for airmail delivery available upon request. In Japan: 30,300 yen individual; 39,100 yen institution (includes airmail postage). Copies will be replaced without charge if the publisher receives a request within 60 days of the mailing date in the U.S. or within 5 months in all other countries.

**Advertisements:** Contact Susan Eidson, J. B. Lippincott Co., 227 East Washington Square, Philadelphia, PA 19106-3780, tel: 215/238-4274.

**POSTMASTER:** Send address changes to Journal of Andrology, P.O. Box 1550, Hagerstown, MD 21740.

Publication of advertisements in the Journal does not imply endorsement by the Society of the products or services rendered.