

# ARTHROSCOPY

THE JOURNAL OF ARTHROSCOPIC AND RELATED SURGERY

Official Journal of the Arthroscopy Association of North America  
International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine  
International Society for Hip Arthroscopy

---

**Arthroscopy: The Journal of Arthroscopic and Related Surgery** (ISSN 0749-8063) is published monthly by Elsevier Inc., 360 Park Avenue South, New York, NY 10010-1710. (For Post Office use only: Volume 29 issue 12 of 12.) Periodicals postage paid at New York, NY and additional mailing offices.

**POSTMASTER:** Send address changes to *Arthroscopy: The Journal of Arthroscopic and Related Surgery*, Elsevier Health Sciences Division, Subscription Customer Service, 3251 Riverport Lane, Maryland Heights, MO 63043.

**Editorial correspondence** should be addressed to Henry P. Hackett, Managing Editor, *Arthroscopy* Journal, CompRehab Plaza, 131 Miller Street, Winston-Salem, NC 27103; E-mail: [hhackett@wakehealth.edu](mailto:hhackett@wakehealth.edu)

**Author Enquiries:** Visit [www.elsevier.com/authors](http://www.elsevier.com/authors) for detailed instructions on the preparation of electronic artwork, to track accepted articles, and set up e-mail alerts to inform you of when an article's status has changed. This site also provides copyright information, frequently asked questions, and more.

In addition, corresponding authors can visit our online submission and review system (<http://ees.elsevier.com/arth/>) to track the progress of manuscripts from submission through acceptance and final publication.

**Customer Service (orders, claims, online, change of address):** Elsevier Health Sciences Division, Subscription Customer Service, 3251 Riverport Lane, Maryland Heights, MO 63043. Tel: (877) 839-7126 (U.S. and Canada); (314) 447-8878 (outside U.S. and Canada). Fax: (314) 447-8077. E-mail: [journalscustomerservice-usa@elsevier.com](mailto:journalscustomerservice-usa@elsevier.com) (for print support); [journalsonline-support-usa@elsevier.com](mailto:journalsonline-support-usa@elsevier.com) (for online support).

**Change of address notices**, including both the old and new addresses of the subscriber and the mailing label, should be sent at least one month in advance.

**Yearly subscription rates:** United States and possessions: individual, \$549.00; institution, \$1,030.00; student and resident, \$266.00. All other countries: individual, \$733.00; institution, \$1,258.00; student and resident, \$521.00. To receive student/resident rate, orders must be accompanied by name of affiliated institution, date of term, and the *signature* of program/residency coordinator on institution letterhead. Orders will be billed at individual rate until proof of status is received.

**Checks** should be made payable to Elsevier and sent to **Arthroscopy: The Journal of Arthroscopic and Related Surgery**, Elsevier Health Sciences Division, Subscription Customer Service, 3251 Riverport Lane, Maryland Heights, MO 63043.

Prices are subject to change without notice. Current prices are in effect for back volumes and back issues. Single issues, both current and back, exist in limited quantities and are offered for sale subject to availability. Back issues sold in conjunction with a subscription are on a prorated basis.

Copyright © 2013 by the Arthroscopy Association of North America. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means now or hereafter known, electronic or mechanical, including photocopying, recording, or any information storage and retrieval system, without permission in writing from the Publisher. Printed in the United States of America.

Correspondence regarding permission to reprint all or part of any article published in this journal may be sought directly from Elsevier's Global Rights Department in Oxford, UK: Telephone (215) 239-3804 or +44 (0) 1865 843830, Fax +44 (0) 1865 85333. Requests may also be completed on-line via the Elsevier site (<http://www.elsevier.com/authors/obtaining-permission-to-re-use-elsevier-material>).

The Arthroscopy Association of North America logo® is a registered trademark of The Arthroscopy Association of North America.

The appearance of the code at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use, or for the personal or internal use of specific clients, for those registered with the Copyright Clearance Center, Inc. (222 Rosewood Drive, Danvers, MA 01923; (978) 750-8400; [www.copyright.com](http://www.copyright.com)). This consent is given on the condition that the copier pay the stated per-copy fee for that article through the Copyright Clearance Center, Inc. for copying beyond that permitted by Sections 107 or 108 of the US Copyright Law. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Absence of the code indicates that the material may not be processed through the Copyright Clearance Center, Inc.

**Reprints:** For 100 or more copies of an article in this publication, please contact the Commercial Reprints Department, Elsevier, Inc., 360 Park Avenue South, New York, NY 10010-1710. Tel: (212) 633-3874, Fax (212) 633-3820; E-mail: [reprints@elsevier.com](mailto:reprints@elsevier.com)

**Advertising representative:** Nicole Johnson, 1600 John F. Kennedy Boulevard, Suite 1800, Philadelphia, PA 19103. Telephone 215-239-3168; Fax 215-239-3136; E-mail: [n.johnson@elsevier.com](mailto:n.johnson@elsevier.com)

Publication of an advertisement in **Arthroscopy: The Journal of Arthroscopic and Related Surgery** does not constitute or imply endorsement of its claims by the Arthroscopy Association of North America, the International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, or the Editor or Publisher of the journal.

The ideas and opinions expressed in *Arthroscopy: The Journal of Arthroscopic and Related Surgery* do not necessarily reflect those of the Editor or the Publisher. Publication of an advertisement or other product mention in *Arthroscopy: The Journal of Arthroscopic and Related Surgery* should not be construed as an endorsement of the product or the manufacturer's claims. Readers are encouraged to contact the manufacturer with any questions about the features or limitations of the products mentioned. The Publisher does not assume any responsibility for any injury and/or damage to persons or property arising out of or related to any use of the material contained in this periodical. The reader is advised to check the appropriate medical literature and the product information currently provided by the manufacturer of each drug to be administered to verify the dosage, the method and duration of administration, or contraindications. It is the responsibility of the treating physician or other health care professionals, relying on independent experience and knowledge of the patient, to determine drug dosages and the best treatment for the patient.