

# Seminars in Diagnostic Pathology

**Publication Information:** *Seminars in Diagnostic Pathology* (ISSN 0740-2570) is published bi-monthly by Elsevier, 230 Park Avenue, Suite 800, New York, NY 10169. Months of issue are January, March, May, July, September and November. Business Office: 1600 John F. Kennedy Blvd., Ste. 1800, Philadelphia, PA 19103-2899. Editorial Office: 360 Park Avenue South, New York, NY 10010-1710. Customer Services Office: 3251 Riverport Lane, Maryland Heights, MO 63043. Periodicals postage paid at New York, NY and additional mailing offices.

USA POSTMASTER: Send change of address to *Seminars in Diagnostic Pathology*, Elsevier Health Sciences Division, Subscription Customer Services, 3251 Riverport Lane, Maryland Heights, MO 63043.

Editorial correspondence should be addressed to Mark R. Wick, MD, Professor of Pathology, Associate Director of Surgical Pathology, Room 3020 University of Virginia Hospital, 1215 Lee St., Charlottesville, VA 22908-2410.

**Yearly Subscription Rates:** United States and possessions: individual, \$302.00. All other countries: individual, \$432.00. For all areas outside the United States and possessions, there is no additional charge for surface delivery. Students and residents: United States and possessions, \$302.00; all other countries, \$432.00. 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. 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. Current prices are in effect for back volumes and back issues. Prices are subject to change without notice.

**Orders, Claims, and Journal Inquiries:** Please contact the Elsevier Customer Service Department nearest you: **St. Louis:** Elsevier Customer Service Department, 3251 Riverport Lane, Maryland Heights, MO 63043, USA; phone: (800) 654-2452 [toll free within the USA]; (+1) (314) 447-8871 [outside the USA]; fax: (+1) (314) 447-8029; e-mail: [JournalCustomerServiceusa@elsevier.com](mailto:JournalCustomerServiceusa@elsevier.com). **Oxford:** Elsevier Customer Service Department, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone: (+44) (1865) 843434; fax: (+44) (1865) 843970; e-mail: [JournalsCustomerServiceEMEA@elsevier.com](mailto:JournalsCustomerServiceEMEA@elsevier.com). **Tokyo:** Elsevier Customer Service Department, 4F Higashi-Azabu, 1-Chome Bldg, 1-9-15 Higashi-Azabu, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5037; fax: (+81) (3) 5561 5047; e-mail: [JournalsCustomerServiceJapan@elsevier.com](mailto:JournalsCustomerServiceJapan@elsevier.com). **Singapore:** Elsevier Customer Service Department, 3 Killiney Road, #08-01 Winsland House I, Singapore 239519; phone: (+65) 63490222; fax: (+65) 67331510; e-mail: [JournalsCustomerServiceAPAC@elsevier.com](mailto:JournalsCustomerServiceAPAC@elsevier.com).

**Advertising Information:** Advertising orders and inquiries can be sent to: USA, Canada and South America: John Marmaro, Elsevier Inc., 360 Park Avenue South, New York, NY 10010-1710. Tel: (212) 633-3657; e-mail: [j.marmaro@elsevier.com](mailto:j.marmaro@elsevier.com)

**Reprints:** To order 100 or more reprints for educational, commercial, or promotional use, contact the Commercial Reprints Department, Elsevier Inc., 360 Park Avenue South, New York, NY 10010-1710; E-mail: [reprints@elsevier.com](mailto:reprints@elsevier.com).

**Guide for Authors:** For a full and complete Guide for Authors, please go to: [www.elsevier.com/wps/locate/issn/0740-2570](http://www.elsevier.com/wps/locate/issn/0740-2570).

**Author inquiries:** For inquiries relating to the submission of articles (including electronic submission) please visit this journal's homepage at [www.elsevier.com/wps/locate/issn/0740-2570](http://www.elsevier.com/wps/locate/issn/0740-2570). Contact details for questions arising after acceptance of an article, especially those relating to proofs, will be provided by the publisher. You can track accepted articles at <http://www.elsevier.com/trackarticle>. You can also check our Author FAQs at <http://www.elsevier.com/authorFAQ> and/or contact Customer Support via <http://service.elsevier.com>.

**Funding Body Agreements and Policies:** Elsevier has established agreements and developed policies to allow authors whose articles appear in journals published by Elsevier, to comply with potential manuscript archiving requirements as specified as conditions of their grant awards. To learn more about existing agreements and policies please visit <http://www.elsevier.com/fundingbodies>.

© 2021 by Elsevier Inc. All rights reserved. This journal and the individual contributions contained in it are protected under copyright, and the following terms and conditions apply to their use in addition to the terms of any Creative Commons or other user license that has been applied by the publisher to an individual article:

**Photocopying:** Single photocopies of single articles may be made for personal use as allowed by national copyright laws. Permission is not required for photocopying of articles published under the CC BY license nor for photocopying for non-commercial purposes in accordance with any other user license applied by the publisher. Permission of the publisher and payment of a fee is required for all other photocopying, including multiple or systematic copying, copying for advertising or promotional purposes, resale, and all forms of document delivery. Special rates are available for educational institutions that wish to make photocopies for non-profit educational classroom use.

**Derivative Works:** Users may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions or companies. Other than for articles published under the CC BY license, permission of the publisher is required for resale or distribution outside the subscribing institution or company.

For any subscribed articles or articles published under a CC BY-NC-ND license, permission of the publisher is required for all other derivative works, including compilations and translations.

**Storage or Usage:** Except as outlined above or as set out in the relevant user license, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the publisher.

**Permissions:** For information on how to seek permission visit [www.elsevier.com/permissions](http://www.elsevier.com/permissions)

**Author rights:** Author(s) may have additional rights in their articles as set out in their agreement with the publisher (more information at <http://www.elsevier.com/authorsrights>).

**Notice:** Practitioners and researchers must always rely on their own experience and knowledge in evaluating and using any information, methods, compounds or experiments described herein. Because of rapid advances in the medical sciences, in particular, independent verification of diagnoses and drug dosages should be made. To the fullest extent of the law, no responsibility is assumed by the publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein.

Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

The ideas and opinions expressed in *Seminars in Diagnostic Pathology* do not necessarily reflect those of the Editor or the Publisher. Publication of an advertisement or other product mention in *Seminars in Diagnostic Pathology* 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 professional, relying on independent experience and knowledge of the patient, to determine drug dosages and the best treatment for the patient. Every effort has been made to check generic and trade names, and to verify drug doses. The ultimate responsibility, however, lies with the prescribing physician. Please convey any errors to the Editor.

The contents of *Seminars in Diagnostic Pathology* are indexed and abstracted in *Index Medicus*, *EMBASE/Excerpta Medica*, *Current Contents/Clinical Medicine*, *SCISEARCH*, *Automatic Subject Citation Alert*, *Science Citation Index*, *Current Contents/ Life Sciences*, and *ISI/BIOMED*.

② The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper)