

DIAGNOSIS

OFFICIAL JOURNAL OF THE COMMUNITY
IMPROVING DIAGNOSIS IN MEDICINE

EDITORS-IN-CHIEF

Mark L. Graber, Plymouth, MA

Mario Plebani, Padova, Italy

ASSOCIATE EDITORS

Christina L. Cifra, Boston, MA, USA

Giuseppe Lippi, Verona, Italy

Andrew Olson, Minneapolis, MN

Satid Thammasitboon, Houston, TX

Dario Torre, Bethesda, MD, USA

SECTION EDITORS – CASE REPORTS

Andrew Parsons, Charlottesville, VA

Melissa Plesac, Minneapolis, MN

Verity Schaye, New York, NY

EDITORIAL BOARD

Daniela Basso, Padova, Italy

Carmel Crock, Melbourne, Australia

Pat Croskerry, Halifax, Canada

Gurpreet Dhaliwal, San Francisco, CA

John Ely, Iowa City, IA

Evangelos Giannitsis, Heidelberg, Germany

Michael Laposata, Galveston, TX

Yoryos Lyratzopoulos, London, United Kingdom

Jason Maude, Surrey, United Kingdom

David Newman-Toker, Baltimore, MD

Joseph J. Rencic, Boston, MA

Taro Shimizu, Tochigi, Japan

Geeta Singhal, Houston, TX

Dean Sittig, Houston, TX

Alexander von Meyer, Weiden, Germany

Laura Zwaan, Rotterdam, The Netherlands

DE GRUYTER

Please see the journal's homepage for Abstracting & Indexing Services information.

The publisher, together with the authors and editors, has taken great pains to ensure that all information presented in this work (programs, applications, amounts, dosages, etc.) reflects the standard of knowledge at the time of publication. Despite careful manuscript preparation and proof correction, errors can nevertheless occur. Authors, editors and publisher disclaim all responsibility for any errors or omissions or liability for the results obtained from use of the information, or parts thereof, contained in this work.

The citation of registered names, trade names, trademarks, etc. in this work does not imply, even in the absence of a specific statement, that such names are exempt from laws and regulations protecting trademarks etc. and therefore free for general use.

e-ISSN 2194-802X

DIAGNOSIS is the Official Journal of The Community Improving Diagnosis in Medicine (CIDM).

All information regarding notes for contributors, subscriptions, Open access, back volumes and orders is available online at www.degruyter.com/dx.

RESPONSIBLE EDITOR(S) Dr. Mark L. Graber, The Community Improving Diagnosis in Medicine (CIDM, www.improve-dx.org), 5 Hitching Post, Plymouth, MA 02360, United States. Tel.: +1 919 667-8585, E-mail: graber.mark@gmail.com; Prof. Dr. Mario Plebani, University of Padova, Department of Laboratory Medicine, Azienda Ospedaliera di Padova, Via Nicolo Giustiniani 2, 35131 Padova, Italy. Tel.: +390 (0)49 821 2792, Email: mario.plebani@unipd.it

JOURNAL COORDINATOR Heike Jahnke, De Gruyter, Genthiner Str. 13, 10785 Berlin, Germany,
Tel.: +49 (0)30 260 05 – 220, Email: diagnosis.editorial@degruyter.com

© 2025 Walter de Gruyter GmbH, Berlin/Boston

TYPESETTING TNQ Tech Private Limited, Chennai, India

COVER ILLUSTRATION iStockphoto/Thinkstock

Questions about General Product Safety Regulation: productsafety@degruyterbrill.com