



Editor in Chief

Brian D Sites (USA)

Associate Editor-in-Chief for Statistics

Matthew A Davis (USA)

Executive Editors

Richard Brull (Canada)
Chad M Brummett (USA)
Asokumar Buvaendran (USA)
Xavier Capdevila (France)
Steven P Cohen (USA)
Yun Guan (USA)
Ruth Landau (USA)
Stavros Memtsoudis (USA)
Anahi Perlas (Canada)
De Q H Tran (Canada)
Christopher L Wu (USA)

Editorial Office

BMJ Publishing Group Ltd, BMA House,
Tavistock Square, London WC1H 9JR, UK
T: +1 919 650 1459
F: +44 (0)20 7383 6668
E: info.rapm@bmj.com

Impact factor: 5.564

Disclaimer: The Editor of *Regional Anesthesia and Pain Medicine* has been granted editorial freedom and *Regional Anesthesia and Pain Medicine* is published in accordance with editorial guidelines issued by the World Association of Medical Editors and the Committee on Publication Ethics. *Regional Anesthesia and Pain Medicine* is primarily intended for healthcare professionals and its content is for information only. The Journal is published without any guarantee as to its accuracy or completeness and any representations or warranties are expressly excluded to the fullest extent permitted by law. Readers are advised to independently verify any information on which they choose to rely. Acceptance of advertising by *Regional Anesthesia and Pain Medicine* does not imply endorsement. Neither *American Society of Regional Anesthesia & Pain Medicine* nor BMJ Publishing Group Limited shall have any liability for any loss, injury or damage howsoever arising from *Regional Anesthesia and Pain Medicine* (except for liability which cannot be legally excluded).

Copyright: © 2023 American Society of Regional Anesthesia and Pain Medicine. All rights reserved; no part of this publication may be reproduced in any form without permission of *Regional Anesthesia and Pain Medicine*.

Regional Anesthesia and Pain Medicine is published by BMJ Publishing Group Ltd, typeset by Exeter Premedia Services Private Ltd, Chennai, India and printed in the UK on acid-free paper.


Regional Anesthesia & Pain Medicine ISSN 1472-0205 (USPS 580-990). BMA House, Tavistock Square, London WC1H 9JR, UK. The US annual subscription price is \$578.

Airfreight and mailing in the USA by agent named World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, USA. Periodicals postage paid at Brooklyn, NY 11256. US POSTMASTER: Send address changes to *Regional Anesthesia & Pain Medicine*, World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, USA. Subscription records are maintained at BMJ Publishing Group Ltd, 12th Floor, Southgate House, Wood Street, Cardiff, CF10 1GH, Wales. Air Business Ltd is acting as our mailing agent.

Contents

Volume 48 Issue 2 | **RAPM** February 2023

Review

- 49  Analgesic benefits of single-shot versus continuous adductor canal block for total knee arthroplasty: a systemic review and meta-analysis of randomized trials
N Hussain, R Brull, S Zhou, R Schroell, C McCartney, T Sawyer, F Abdallah

Obstetric analgesia

- 61 Comparison of labor analgesia efficacy between single-orifice and multiorifice wire-reinforced catheters during programmed intermittent epidural boluses: a randomized controlled clinical trial
J Yi, Y Li, Y Yuan, Z Xu, Y Song, B Ye, Q Zhao, Y Yang, W Du, Z Liu

Chronic and interventional pain

- 67 American Society of Regional Anesthesia and Pain Medicine 2021 John J. Bonica Award Lecture
O De Leon-Casasola

Regional anesthesia and acute pain

- 74 Spread of local anesthetics after erector spinae plane block: an MRI study in healthy volunteers
M Sørenstua, N Zantalis, J Raeder, J S Vamnes, A-C L Leonardsen


Infographic

- 80 Evaluation of lumbar medial branch blocks: how does the second block influence progression to radiofrequency ablation? An infographic
D A Provenzano, J E Leech, J S Kilgore, L A Sugden

Research report

- 82 Ultrasound-guided nerve block utilization in emergency departments: a national survey of regional anesthesiologist practices and attitudes
A B Sione, A Shorten, A Zorrilla Vaca, K Vlassakov

Basic science

- 85  Reduced BDNF expression in the auditory cortex contributed to neonatal pain-induced hearing impairment and dendritic pruning deficiency in mice
N Li, B Chen, G Jia, R Xu, Y Xia, C Lai, G Li, W Li, Y Han

Letters

- 94 Letter to the editor regarding 'Anatomical study of the medial branches of the lumbar dorsal rami: implications for image-guided intervention'
D G Bryant, J T Dovgan, C Hunt, W J Beckworth, P H Waring, W E Rivers
- 95 Reply to letter to editor regarding 'anatomical study of the medial branches of the lumbar dorsal rami: implications for image guided intervention'
J Tran, E Loh



This article has been chosen by the Editor to be of special interest or importance and is freely available online.



This article has been made freely available online under the BMJ Journals open access scheme.
See <http://authors.bmj.com/open-access>



Member since 2008
JM00025

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

www.publicationethics.org



When you have finished with this please recycle it