

Editor in Chief Brian D Sites (USA)

Associate Editor-in-Chief for Statistics Matthew A Davis (USA)

Chad M Brummett (USA) Asokumar Buvanendran (USA) Xavier Capdevila (France) Steven P Cohen (LISA) Yun Guan (USA) Spencer S Liu (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: 6.288

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: © 2022 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.

Regional anesthesia and acute pain

205 6 Depth of cervical plexus block and phrenic nerve blockade: a randomized

M Opperer, R Kaufmann, M Meissnitzer, FK Enzmann, C Dinges, W Hitzl, J Nawratil, A Koköfer

212 ED90 of spinal 2-chloroprocaine 1% in ambulatory knee arthroscopy up to 45 min: a randomized biased-coin- up-and-down sequential allocation trial

> E J Wesselink, S J Koopman, R v der Vegt, P M v de Ven, J P v der Aa, C Stapper, F Wesdorp, L de Kok, Y Zhang, E J Franssen, E L Swart, C Boer, M A de Leeuw

Ultrasound-guided transverse abdominis plane block, ilioinguinal/iliohypogastric nerve block, and quadratus lumborum block for elective open inquinal hernia repair in children: a randomized controlled

> K Priyadarshini, B K Behera, B B Tripathy, S Misra

- A retrospective cohort study of three wound catheter infusion analgesia regimes after midline laparotomy J Perry, K Byth, A Bullingham
- 228 Association of perioperative midazolam use and complications: a population-based analysis

V Athanassoglou, C Cozowicz, H Zhong, A Illescas, J Poeran, J Liu, L Poultsides, S G Memtsoudis

Basic science

Ropivacaine-loaded, hydroxypropyl chitin thermo-sensitive hydrogel combined with hyaluronan: an injectable, sustained-release system for providing long-lasting local anesthesia in rats Q Qiao, X Fu, R Huang, S Lei, Y Leng, Z Liu,

Dose-dependent effects of high intensity focused ultrasound on compound action potentials in an ex vivo rodent peripheral nerve model: comparison to local anesthetics T A Anderson, I Delgado, S Sun, N Behzadian, J Vilches-Moure, R B Szlavik, K Butts-Pauly, D Yeomans

Research reports

Z Xia, X Jiang

Anesthesiologists' perspectives on why dural punctures occur: a multicenter international

S Orbach-Zinger, M Heesen, A Ioscovich, D Shatalin, B Aptekman, CF Weiniger, L A Eidelman, A Frenkel, Y Beilin, D J Katz, I Schlosberg, Y Binyamin

251 Systemic lidocaine absorption from continuous erector spinae plane catheters after paediatric posterior spine fusion surgery S Pan, CK Lee, T J Caruso, J S Vorhies, B C H Tsui

Chronic and interventional pain

Anatomical study and clinical significance of rami communicantes of the lumbar spine Z Zheng, R Ma, R Zhang, Z Liu, Z Liu, J Chen, Y Xu, X Zhou, Q Zhao, Q Li

MORE CONTENTS ▶



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



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

www.publicationethics.org



Brief technical report

259 Novel approach for pericapsular radiofrequency ablation of sacrococcygeal junction for patients with coccydynia

G Feigin, NN Wang, V Di Grazia, P Peng

Review

263

Quality of meta-analyses of non-opioid, pharmacological, perioperative interventions for chronic postsurgical pain: a systematic review

R H McGregor, F M Warner, L D Linde, J J Cragg, J A Osborn, V P Varshney, S K W Schwarz, J L K Kramer

Letters

- 270 Letter to the editor: in response to 'association between widespread pain and dementia, Alzheimer's disease and stroke: a cohort study from the Framingham Heart Study'

 J Barash, W A Kofke, I Badiola
- **270** Response to the letter from Barash *et al K Wang, H Liu*
- **270** Opioid consumption patterns after abdominal, joint, or spine surgery *C Luo, P Wang, C Nie*
- 271 Response to letter regarding 'Trajectories of opioid consumption from day of surgery to 28 days postoperatively: a prospective cohort study in patients undergoing abdominal, joint, or spine surgery'

 R.J. McCarthy, A. Buvanendran

272 Alternative method of establishing the first rib under ultrasound guidance TTH Jen, C Prabhakar

273 Response to 'An alternative method of establishing the first rib under ultrasoundguidance'

> M F B Hurdle, G Ferreira-Dos-Santos, R Rosario-Concepcion, L V Gil, J S Eldrige, S R Clendenen

- 273 Images of the thoracic paravertebral space: a demanding dance with the devil in the details
 - M V Nielsen, K Tanggaard, C K Hansen, I Børglum, B Moriggl
- 274 Striking a balance between uniformity and iconoclasm: a reply to Dr Nielsen *et al* S H Kim, T-H Cho, H-M Yang
- **275** Intraneural injection: volume and pressure *A Seol, B C H Tsui*
- **276** Nerve injury monitoring: too much ain't enough *X Sala-Blanch, J Mejia*
- 277 Single perineural catheter for hybrid technique of combined peripheral nerve stimulation and regional local anesthetic nerve block to manage phantom limb pain: time to jump on the neuromodulation bandwagon?

J Miser, M Seering, R V Sondekoppam, V H Y Ip, B C H Tsui