

**Editor in Chief**

Brian D Sites (USA)

**Associate Editor-in-Chief for Statistics**

Matthew A Davis (USA)

**Executive Editors**

Chad M Brummett (USA)  
Asokumar Buvanendran (USA)  
Xavier Capdevila (France)  
Steven P Cohen (USA)  
Yun Guan (USA)  
Spencer S Liu (USA)  
Stavros Mermisoudis (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](mailto: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:** © 2021 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.

**Editorial**

- 1029** ASRA Pain Medicine: an established society with an updated vision  
*K M Schroeder, B D Sites, S Narouze*

**Special articles**

- 1031** American Society of Regional Anesthesia and Pain Medicine expert panel recommendations on point-of-care ultrasound education and training for regional anesthesiologists and pain physicians—part I: clinical indications  
*S C Haskins, Y Bronshteyn, A Perlas, K El-Boghdadly, J Zimmerman, M Silva, K Boretsky, V Chan, R Kruisselbrink, M Byrne, N Hernandez, J Boublik, W C Manson, R Hogg, J N Wilkinson, H Kalagara, J Nejim, D Ramsingh, H Shankar, A Nader, D Souza, S Narouze*
- 1048** American Society of Regional Anesthesia and Pain Medicine expert panel recommendations on point-of-care ultrasound education and training for regional anesthesiologists and pain physicians—part II: recommendations  
*S C Haskins, Y Bronshteyn, A Perlas, K El-Boghdadly, J Zimmerman, M Silva, K Boretsky, V Chan, R Kruisselbrink, M Byrne, N Hernandez, J Boublik, W C Manson, R Hogg, J N Wilkinson, H Kalagara, J Nejim, D Ramsingh, H Shankar, A Nader, D Souza, S Narouze*

**Regional anesthesia and acute pain**

- 1061** Randomized trial comparing the spread of erector spinae block with the combination of erector spinae block and retrolaminar block in soft embalmed Thiel cadavers  
*R Y Sartawi, G McLeod, A Mustafa, C Lamb*

- 1067** 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 M Adams, A C Sremac, W J Kreider, P L Pelletier, A Buvanendran*

- 1076** Innervation of the clavicle: a cadaveric investigation  
*P Leurchanusmee, N Maikong, P Kantakam, P Navic, P Mahakkanukrauh, D Q Tran*

**Brief technical reports**

- 1080** Posterior hip pericapsular neurolysis (PHPN) for inoperable hip fracture: an adjunct to anterior hip pericapsular neurolysis  
*T K Ng, P Peng, W Chan*
- 1085** Anatomy of the lumbar interspinous ligament: findings relevant to epidural insertion using loss of resistance  
*S Lawrence, S Llewellyn, H Hunt, G Cowin, D J Sturgess, D Reutens*

**Education**

- 1091** Regional anesthesia and acute compartment syndrome: principles for practice  
*T Dwyer, D Burns, A Nauth, K Kawam, R Brull*

**Case reports**

- 1100** Severe altered mentation due to cervicothoracic intrathecal pump after correction of cervical stenosis: a case report  
*C Sanghvi, T Su, T L Yaksh, D J Copenhaver, E O Klineberg, M J Jung*

MORE CONTENTS ►

Member since 2008  
JM0025

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](http://www.publicationethics.org)

- 1103** Multiple myeloma and malignant lesions: a potential risk factor for local anesthetic systemic toxicity  
*V M Lim, T Barney, A L Jayaraman*

### Research reports

- 1107** Reliability of a sequential ultrasound imaging technique (SUIT) to identify the individual elements of the brachial plexus above the clavicle  
*B Songthamwat, J Palepirom, P Pangthipampai, P Vorapaluk, M K Karmakar*

- 1110** Characterizing the need for multiple epidural blood patches in the treatment of postdural puncture headache: an observational study  
*R Mustafa, R A Barman, E B Kurian, J Eldrige, R Franke, N Kisoorn, I Garza, M A Whealy, J K Cutsforth-Gregory, O Olatoye*

### Letters

- 1113** Upper limb weakness and importance of immediate pain relief after cervical epidural steroid injections: more questions than answers?  
*H Shanthhanna, S P Cohen, S Narouze*

- 1114** Response to 'Effect of low-dose lidocaine on objective upper extremity strength and immediate pain relief following cervical interlaminar epidural injections: a double-blinded randomized controlled trial'  
*Z L McCormick, T Burnham, D R Walega*

- 1115** Sphenopalatine ganglion block for postdural puncture headache in the patient with challenging spinal anatomy  
*D Levin, S Cohen, G J Grant*

- 1115** Interfascial plane blocks in laparoscopic hysterectomy: are they effective?  
*H K S Hamid, V Minas*

- 1116** Neuraxial and peripheral misconnection events leading to wrong-route medication errors  
*S Patel*

- 1117** In response: neuraxial and peripheral misconnection events leading to wrong-route medication errors  
*E Viscusi, V Hugo, K Hoerauf, F S Southwick*

- 1118** Use of transmuscular quadratus lumborum block for postoperative analgesia after laparoscopic nephrectomy  
*H Li, R Shi, Y Wang*

- 1119** Importance of the transversalis fascia in relation to a successful application of the transmuscular quadratus lumborum block  
*M Dam, C Hansen, T D Poulsen, N H Azawi, J Børglum*

- 1119** Pectoral block versus paravertebral block: methodological concerns  
*J K Makkar, N P Singh, N Bhatia*

- 1120** Pectoral block versus paravertebral block  
*Z Jin, T Durrands, R Li, T J Gan, J Lin*

### Electronic page

- e1** Correction: *Rising opioid prescription fulfillment among non-cancer and non-elderly patients—Israel's alarming example*