



#### Editor in Chief

Brian D Sites (NH)

#### Associate Editor-in-Chief for Statistics

Matthew A Davis (MI)

#### Executive Editors

Chad M Brummett (MI)  
Asokumar Buvanendran (IL)  
Xavier Capdevila (France)  
Steven P Cohen (MD)  
Spencer S Liu (NY)  
Stavros Memtsoudis (NY)  
Anahi Perlas (Canada)  
De Q H Tran (Canada)  
Christopher L Wu (NY)

#### 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: 5.113

**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:** © 2020 American Society of Regional Anesthesia and Pain Medicine. All rights reserved; no part of this publication may be reproduced in any form without permission.

*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 Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA. Periodicals postage paid at Jamaica NY 11431. US POSTMASTER: Send address changes to *Regional Anesthesia & Pain Medicine*, Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, 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 45 Issue 4 | RAPM April 2020

### Editorial

- 253** Discrepancy between registered and reported trial protocols: don't ask, don't tell or zero tolerance?  
*D Q Tran, B D Sites*

### Regional anesthesia and acute pain

- 255** Thoracoscopic lung biopsy under regional anesthesia for interstitial lung disease  
*C Kurihara, B Tolly, A DeWolf, A Nader, S Kim, D D Odell, A C Argento, G R S Budinger, A Bharat*
- 260** Erector spinae plane versus paravertebral nerve blocks for postoperative analgesia after breast surgery: a randomized clinical trial  
*M W Swisher, A M Wallace, J F Sztain, E T Said, B Khaib, M Abanobi, J J Finneran IV, R A Gabriel, W Abramson, S L Blair, A Hosseini, M K Dobke, M C Donohue, B M Ilfeld*

- 267** Motor-sparing effect of iPACK (interspace between the popliteal artery and capsule of the posterior knee) block versus tibial nerve block after total knee arthroplasty: a randomized controlled trial  
*W Kampaik, A Tanavalee, S Ngarmukos, S Tantavisut*

- 277** Evaluation of ultrasound-guided rhomboid intercostal nerve block for postoperative analgesia in breast cancer surgery: a prospective, randomized controlled trial  
*B Altuparmak, M Korkmaz Toker, A I Uysal, Ö Dere, B Uğur*

- 283** Current status of pain medicine training in anesthesiology and pain medicine residency programs in university hospitals of Korea: a survey of residents' opinions  
*J Y Lee, S H Kim, Y Yoo, S S Choi, S H Kim, Y J Park, G J Byeon, Y D Kim, J E Kim, S H Kang, J Kim, M J Kim, H J Park*

### Acute and chronic pain

- 287** Does cryoneurolysis result in persistent motor deficits? A controlled study using a rat peroneal nerve injury model  
*S B Shah, S Bremner, M Esparza, S Dorn, E Orozco, C Haghshenas, B M Ilfeld, R A Gabriel, S Ward*

### Chronic and interventional pain

- 293** Centralized pain and pain catastrophizing mediate the association between lifetime abuse history and self-reported pain medication side effects  
*J Pierce, A L Hassett, J R Schneiderhan, J Divers, C M Brummett, J Goesling*

### Brief technical reports

- 301** Technical considerations for approaches to the ultrasound-guided maxillary nerve block via the pterygopalatine fossa: a literature review  
*A Anugerah, K Nguyen, A Nader*
- 306** Vulnerability of different nerves to intrafascicular injection by different needle types and at different approach angles: a mathematical model  
*M Sanromán-Junquera, A Boezaart, Y Zsimevich, O C Nin, X Sala-Blanch, J De Andres, M A Reina*

MORE CONTENTS ►



Member since 2008  
JM0025

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

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



---

**History**

- 311** History and evolution of regional anesthesia and acute pain medicine fellowship training  
*D M Shapiro, M J Hargett, S Kopp, J M Neal, E R Mariano, G Liguori*
- 

**Letters**

- 316** Bilateral ultrasound-guided parasternal block for postoperative analgesia in cardiac surgery: could it be the safest strategy?  
*G Sepolvere, P Fusco, M Tedesco, P Scimia*
- 317** Transversus thoracis muscle plane block and parasternal block  
*S Fujii*
- 317** Music therapy as sole anxiolytic may not replace standard pharmaceutical agents, but it is definitely contributory: our response to article by Graff *et al*  
*P Bhakta, D Harmon*

- 318** Response to letter, 'Music therapy as sole anxiolytic may not replace standard pharmaceutical agents, but it is definitely contributory' by Dr Bhakta and Dr Harmon  
*V Graff, L Cai, I Badiola, N M Elkassabany*
- 318** Should erector spinae plane block applications be standardized or should we revise nomenclature?  
*S Tulgar, A Ahiskalioglu, D T Thomas, Y Gurkan*
- 320** Sciatic nerve blocks: more proximal may not mean more complete  
*S Orebaugh, P Carullo, A Gray*
- 321** Erector spinae plane continuous blocks for pediatric liver transplantation  
*M Visoii*
- 321** In reply: erector spinae plane continuous blocks for pediatric liver transplantation  
*R P Moore, C J Liu, P George, T Welch, J D AuBuchon, Y Jiao, J K Drobish*