



Editor in Chief

Brian D Sites (NH)

Associate Editor-in-Chief for Statistics

Matthew A Davis (MI)

Executive Editors

Charles Berde (MA)
Asokumar Buvaendran (IL)
Steven P Cohen (MD)
Spencer S Liu (NY)
De Q H Tran (Canada)
Marc Van de Velde (Belgium)
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

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, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior 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 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 2 | **RAPM** February 2020

Editorial

- 93** One small step for mankind, a big step for PoCUS
J Boublik, S C Haskins

Brief technical reports

- 95** Improved diagnostic accuracy of pathology with the implementation of a perioperative point-of-care ultrasound service: quality improvement initiative
D Ramsingh, A Runyon, J Gatling, I Dorotta, R Lauer, D Wailes, J Yang, M Alschuler, B Austin, G Stier, R Martin
- 102** Thoracic-paravertebral blocks: comparative anatomical study with different injection techniques and volumes
R Seidel, A Wree, M Schulze

Regional anesthesia and acute pain

- 107** Anesthesia of the anterior femoral cutaneous nerves for total knee arthroplasty incision: randomized volunteer trial
S Bjørn, T D Nielsen, B Morigg, R Hoermann, T F Bendtsen
- 117** Mechanism of action of HTX-011: a novel, extended-release, dual-acting local anesthetic formulation for postoperative pain
T Otoboni, B Quart, J Pawasauskas, J F Dasta, R A Pollak, E R Viscusi
- 124** Evaluation of the proximal adductor canal block injectate spread: a cadaveric study
J Tran, V W S Chan, P W H Peng, A M R Agur

Chronic and interventional pain

- 131** Choice of spinal cord stimulation versus targeted drug delivery in the management of chronic pain: a predictive formula for outcomes
N Mekhail, D S Mehanny, S Armanious, S Costandi, Y Saweris, G Azer, R Bolash

- 137** Sonic hedgehog signaling pathway promotes pancreatic cancer pain via nerve growth factor
L Han, J Jiang, M Xue, T Qin, Y Xiao, E Wu, X Shen, Q Ma, J Ma

- 145** Initial validation of the electronic form of the Michigan Body Map
A L Hassett, J Pierce, J Goesling, L Fritsch, R R Bakshi, D J Kohns, C M Brummett

Daring discourse

- 151** Refining a great idea: the consolidation of PECS I, PECS II and serratus blocks into a single thoracic fascial plane block, the SAP block
C D Franco, K Inozemtsev

Letters

- 155** Upper trunk block for shoulder analgesia with potential phrenic nerve sparing: a preliminary anatomical report one fascia, two blocks, and a concern on diaphragm-sparing
H Zhang, Y Miao, Z Qu
- 155** Upper trunk block: 'primum non nocere'
J Cros Campoy, O Domingo Bosch, X Sala-Blanch
- 156** Living versus cadaver fascial plane injection
A U Behr, V W S Chan, C Stecco
- 157** Injectate spread in interfascial plane block: a microscopic finding
H-M Yang, S H Kim
- 158** Costoclavicular approach to the brachial plexus block: simple or double injection?
E Monzó, A Hadzic
- 159** Antihyperalgesia effect of AMP-activated protein kinase (AMPK) activators in a mouse model of postoperative pain
D I Smith, H Tran

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>



Member since 2008
JM00025

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

www.publicationethics.org.uk



When you have finished with this please recycle it

- 160** Iodinated contrast media hypersensitivity:
recommendations for the pain
practitioner
J P Kalangara, M E Kuruvilla

Scientific Abstracts

- 162** 18th Annual Pain Medicine Meeting of the
American Society of Regional Anesthesia
and Pain Medicine