

# BJA

British Journal of Anaesthesia

*Editor-in-Chief: Ravi P. Mahajan*



Volume 117, Number 1, July 2016 ISSN 0007-0912 (Print) 1471-6771 (Online)



### In this month's issue

- Airway devices
- Antibiotic prophylaxis

## EDITORIALS

- Prediction in airway management: what is worthwhile, what is a waste of time and what about the future?**  
*W. H. Teoh and M. S. Kristensen* 1
- Skeletal muscle and plasma concentrations of cefazolin**  
*P. C. Jutte, J. J. W. Ploegmakers and S. K. Bulstra* 3
- Need to consider human factors when determining first-line technique for emergency front-of-neck access**  
*A. Timmermann, N. Chrimes and C. A. Hagberg* 5
- In support of 'usual' perioperative care**  
*K. Raghunathan and X. S. Wang* 7
- Value of knowing physical characteristics of the airway device before using it**  
*A. A. J. Van Zundert, M. W. Skinner, T. C. R. V. Van Zundert, S. R. Luney and J. J. Pandit* 12

## REVIEW ARTICLE



- Delayed cerebral ischaemia prevention and treatment after aneurysmal subarachnoid haemorrhage: a systematic review**  
*M. Veldeman, A. Höllig, H. Clusmann, A. Stevanovic, R. Rossaint and M. Coburn* 17

## CARDIOVASCULAR

- Randomized evaluation of fibrinogen vs placebo in complex cardiovascular surgery (REPLACE): a double-blind phase III study of haemostatic therapy**  
*N. Rahe-Meyer, J. H. Levy, C. D. Mazer, A. Schramko, A. A. Klein, R. Brat, Y. Okita, Y. Ueda, D. S. Schmidt, R. Ranganath and R. Gill* 41
- Beneficial effects of levosimendan on survival in patients undergoing extracorporeal membrane oxygenation after cardiovascular surgery**  
*K. Distelmaier, C. Roth, L. Schrutka, C. Binder, B. Steinlechner, G. Heinz, I. M. Lang, G. Maurer, H. Koinig, A. Niessner, M. Hülsmann, W. Speidl and G. Goliasch* 52

## CLINICAL PRACTICE

- Influence of variations in arterial  $P_{CO_2}$  on surgical conditions during laparoscopic retroperitoneal surgery**  
*M. Boon, C. Martini, M. Hellinga, R. Bevers, L. Aarts and A. Dahan* 59
- Compliance with an empirical antimicrobial protocol improves the outcome of complicated intra-abdominal infections: a prospective observational study**  
*M. Guilbart, E. Zogheib, A. Ntoubas, L. Rebibo, J. M. Régimbeau, Y. Mahjoub and H. Dupont* 66

## NEUROSCIENCES AND NEUROANAESTHESIA

- Sumatriptan improves postoperative quality of recovery and reduces postcraniotomy headache after cranial nerve decompression**  
*L. Venkatraghavan, L. Li, T. Bailey, P. H. Manninen and M. Tymianski* 73
- Inhibiting NADPH oxidase protects against long-term memory impairment induced by neonatal sevoflurane exposure in mice**  
*Z. Sun, M. Satomoto, Y. U. Adachi, H. Kinoshita and K. Makita* 80

## PAEDIATRICS

- Skeletal muscle and plasma concentrations of cefazolin during complex paediatric spinal surgery**  
*A. S. Himebauch, W. N. Sankar, J. M. Flynn, M. T. Sisko, G. S. Moorthy, J. S. Gerber, A. F. Zuppa, E. Fox, J. P. Dormans and T. J. Kilbaugh* 87
- Introduction of a paediatric anaesthesia comic information leaflet reduced preoperative anxiety in children**  
*B. Kassai, M. Rabilloud, E. Dantony, S. Grousson, O. Revol, S. Malik, T. Ginhoux, N. Touil, D. Chassard and E. Pereira de Souza Neto* 95

## RESPIRATION AND THE AIRWAY

- Team-based model for non-operating room airway management: validation using a simulation-based study  
*S. DeMaria Jr, D. J. Berman, A. Goldberg, H.-M. Lin, Y. Khelemsky and A. I. Levine* 103
- Capnogram slope and ventilation dead space parameters: comparison of mainstream and sidestream techniques  
*A. L. Balogh, F. Petak, G. H. Fodor, J. Tolnai, Z. Csorba and B. Babik* 109
- Predictors of difficult videolaryngoscopy with GlideScope® or C-MAC® with D-blade: secondary analysis from a large comparative videolaryngoscopy trial  
*M. F. Aziz, E. O. Bayman, M. M. Van Tienderen, M. M. Todd StAGE Investigator Group and A. M. Brambrink* 118

## TRANSLATIONAL RESEARCH

- Comparison of pathogenicity prediction tools on missense variants in *RYR1* and *CACNA1S* associated with malignant hyperthermia  
*A. H. Schiemann and K. M. Stowell* 124

## CORRESPONDENCE

- Correspondence 129

## BOOK REVIEW

- Book Review 142

Please visit the journal web site: <http://bj.oxfordjournals.org>

Reviews highlighted in blue are Editor's Choice reviews. Editor's Choices are free online.



Scan to view this journal on your mobile device