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Adjuvants to local anesthetics: Current understanding and future trends

Answer to reviewers

Reviewer 00722239

This is a good review of regarding the adjuvants to local anesthetics. The details of usage, effects and mechanisms of drugs which commonly used as local anaesthetic adjuvants are well explained. This review is worth publishing. I have no specific comment.

Answer by the authors: The authors would like to thank the reviewers for sparing the time and effort to review the article. We feel honored that the article has been considered favorably.

Reviewer 02446717

The invited editorial (Number ID: 00724702) discusses the current understanding on local anesthetic adjuvants, recent evidence and the future trends on this topic. The use of local anaesthetics in acute and chronic pain is limited by its duration of action and the dose dependent adverse effects. Adjuvants or additives are often used with local anaesthetics for its synergistic effect by prolonging the duration of sensory-motor block and limiting its cumulative dose requirement. Various drugs like opioids, epinephrine, alpha-2 adrenergic antagonists, steroids, anti-inflammatory drugs, midazolam, ketamine, magnesium sulfate and neostigmine have been used to potentiate the effect of local anesthetics. Due its potential adverse effects, current research is exploring newer drugs and delivery mechanisms to prolong the duration of action of local anesthetics. This editorial is interesting. It gives readers new insights of this field. I have no concerns. Thanks.

Answer by the authors: The authors would like to thank the reviewers for sparing the time and effort to review the article and detailing out the salient features of the review. We feel honored that the article has been considered favorably.

