increase the accessibility of these continuous block/catheter techniques and help to improve patients' perioperative outcomes.

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References

- 1. Ilfeld BM, Morey TE, Wang RD, Enneking FK. Continuous popliteal sciatic nerve block for postoperative pain control at home: A randomized, double-blinded, placebo-controlled study. *Anesthesiology* 2002;97:959-965.
- 2. Singelyn FJ, Deyaert M, Joris D, Pendeville E, Gouverneur JM. Effects of intravenous patient-controlled analgesia with morphine, continuous epidural analgesia, and continuous three-in-one block on postoperative pain and knee rehabilitation after unilateral total knee arthroplasty. *Anesth Analg* 1998;87:88-92.
- 3. Klein SM, Grant SA, Greengrass RA, Nielsen KC, Speer KP, White W, Warner DS, Steele SM. Interscalene brachial plexus block with a continuous catheter insertion system and a disposable infusion pump. *Anesth Analg* 2000;91: 1473-1478.
- 4. Moore DC. "No paresthesias-no anesthesia," the nerve stimulator or neither? *Reg Anesth Pain Med* 1997;22:388-390.
- Boezaart AP, de Beer JF, du TC, van Rooyen K. A new technique of continuous interscalene nerve block. *Can J Anaesth* 1999;46:275-281.

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Pectoralis Major Motor for Interscalene Block: What to Do With It?

To the Editor:

We read with great interest the recent report by Tonidandel and Mayfield¹ regarding successful interscalene block after pectoralis major motor response and would like to congratulate the authors for trying to assess the efficacy of uncommonly encountered muscular response during performance of the interscalene block. The use of a nerve stimulator is not just a helpful aid, as written by Tonidandel and Mayfield, nowadays it is even the gold standard.² However, we still have some concerns dealing with the following points.

We understand the study is limited by its retrospective design. However, it would be interesting to know how many ISC had to be performed in total to get 40 patients with isolated pectoralis major motor response. It would be interesting to know which approach of the interscalene brachial plexus was chosen by the authors to perform the block. Due to the distal emergence of the 2 pectoral nerves out of the lateral and medial cords, we assume, although it is not specified in the text, you had a lateral pectoralis major response. With classic approaches, modified lateral³ or Winnie,² it seems difficult and unusual to be able to elicit an isolated pectoralis major muscular response. In our experience, stimulation of the lateral pectoral nerve has always been associated with some other muscular responses, mainly the biceps muscle.

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References

1. Tonidandel WL, Mayfield JB. Successful interscalene block with a nerve stimulator may also result after a pectoralis major motor response. *Reg Anesth Pain Med* 2002;27:491-493.

2. Winnie AP. Interscalene brachial plexus block. *Anesth Analg* 1970;49:455-466.

3. Borgeat A, Ekatodramis G. Anaesthesia for shoulder surgery. *Best Pract Res Clin Anesthesiol* 2002;16:211-225.

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