Reviewer’s report

Title: Effect of single-dose dexmedetomidine on postoperative recovery after ambulatory ureteroscopy and ureteric stenting: a double blind randomized controlled study

Version: 1 Date: 30 Oct 2017

Reviewer: Kevin Tremper

Reviewer's report:

This is an excellent study, assessing the effectiveness of single-dose dexmedetomidine preoperatively on postoperative recovery for ambulatory patients undergoing ureteroscopy and ureteric stenting. This study is a prospective randomized blinded study. Their power analysis, based on preliminary data of MAC reduction of dexmedetomidine, found that 25 patients were needed in each group to achieve a power of 80%. They enrolled and analyzed 30 patients in each group. The results found lower MAC levels in the sevo group, as well as, lower pain scores and less fentanyl in the recovery room and a faster return to normal activity for the first three days postoperatively. Overall, I am very impressed by the quality of the study, its design, data collection, analysis and the conclusion are supported by the data.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
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Yes

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