Reviewer’s report

Title: Comparing Parecoxib and Ketorolac as Preemptive Analgesia in Patients Undergoing Posterior Lumbar Spinal Fusion; A Prospective Randomized Double-Blinded Placebo-Controlled Trial Koopong Siribumrugwong MD*, 1: koopongs@hotmail.com Julin Cheewakidakarn MD1: chulin_c@hotmail.com Boonsin Tangtrakulwanich MD, PhD1: boonsin.b@psu.ac.th Sasikaan Nimmaanrat MD2: snimmaanrat@yahoo.com *Corresponding author 1 Department of Orthopedic Surgery and Physical Medicine, Faculty of Medicine, Prince of Songkla University, Hat Yai, Songkla, Thailand, 90110 2 Department of Anesthesiology, Faculty of Medicine, Prince of Songkla University, Hat Yai, Songkla, Thailand, 90110

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Reviewer: Surachai Sae-Jung

Reviewer’s report:

major compulsory revisions

This is the double-blinded RCT

1. Intervention: The intervention which patient received had different amount (example; parecoxib was 2ml while normal saline was 10 ml). How the investigator blinded the patients or personnel?

2. Statistical analysis: In 3 groups comparison, normal continuous data, the ANOVA will be used for overall analysis and follow by independent t-test (with some correction such as Bonferroni correction) for comparison between each 2 groups.

Like 3 groups comparison of non-normal distribution data, the Kruskal Wallis test will be used for overall analysis and follow by Mann-Whitney U test (with significance level correction) to ensure the statistical significance is not by chance.

3. In table 2, the VAS might be replaced with VNRS.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests.