Reviewer's report

Title: Consumption of Cisatracurium in different age groups, using a closed loop computer controlled system.

Version: 3 Date: 6 November 2013

Reviewer: JENNIFER M HUNTER

Reviewer's report:

I recognise that the authors have made significant efforts to improve their manuscript in response to all the assessors' detailed comments and I thank them for their revision and accompanying letter. The revised manuscript is much improved on the first draft and I have only a few outstanding concerns:

MAJOR POINTS

1. Despite their responses, I still feel that putting drug doses, recovery indexes and TOF ratios up to three decimal places is inappropriate when the data is by definition, crude - this point applies throughout the text and in Table 1. One decimal place is sufficient throughout.

2. Always write the drug name before the drug dose, e.g. cisatracurium 0.15 mg/kg, not 0.15 mg/kg of cisatracurium. Never put a capital letter at the beginning of a proper drug name unless it is the first word of a sentence.

3. The manuscript just needs a bit more sub-editing to improve the use of English further.

4. Discussion: you should acknowledge that a larger percentage of cisatracurium is excreted unchanged in the urine in health than is the case with atracurium: 15% v. 10% respectively (Wastila et al), and with deteriorating renal function with age, this may contribute to the longer effect of cisatracurium in the older age groups.

Level of interest: An article whose findings are important to those with closely related research interests

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

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I have no competing interests