Reviewer's report

**Title:** Consumption of Cisatracurium, Sufentanil and Propofol in different age groups, using a closed loop computer control system.

**Version:** 1  **Date:** 7 May 2013

**Reviewer:** JENNIFER M HUNTER

**Reviewer's report:**

The authors report on the use of an infusion of cisatracurium together with propofol and sufentanil in three different age groups. The article is written in reasonably good English and the relevant literature is well reviewed.

1. Although the methodology in this paper is sound, the findings are not especially new, as reference 16 in the text exemplifies.
2. In the Caucasian races, it is usual to study an elderly group over 75 years, as the physiological changes of ageing described in the Discussion do not tend to be marked until this age. If the authors consider there to be a difference according to ethnicity in this respect, it should be considered in the Discussion section and is worthy of further research.
3. It is inappropriate to provide details of the cisatracurium consumption to three decimal places - at most, only two should be given throughout the text.
4. In the Abstract and throughout the paper, you must define in terms of the TOF count or TOF ratio, what you mean by recovery period and recovery index.
5. It should be acknowledged that the monitoring methods used for adjusting the dose of sufentanil and propofol are very clinical and not necessarily accurate.

**MINOR POINTS**

1. Make sure that you have put all the references in the correct format for the journal you have submitted your manuscript to, and that the format is consistent.

**Level of interest:** An article of limited interest

**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 declare that I have no competing interests.