Reviewer’s report

Title: Standardised concentrations of morphine infusions for nurse/patient-controlled analgesia use in children

Version: 0 Date: 16 Dec 2018

Reviewer: Sujoy Banik

Reviewer's report:

i Thank the editors and the journal for the chance to review this article, and I congratulate the authors on a successful implementation of paediatric morphine pre filled syringes for use in the hospital. Overall the manuscript is well written.

Use of pure filled syringes is certainly possible, and makes the job of the nurses slightly easier. However it does not rule out any possibility of mistakes (like picking the wrong concentration or running the infusion according to a different concentration). Instead of having 3 different concentrations being available, maybe the 2 concentration mostly used could be available, as the 3 mg syringes were hardly used.

Are these syringes made by pharmacy of the hospital? So is it available from narcotics access by physicians or direct transport from pharmacy? Is the possibility of foul play higher with pre filled syringes? Perhaps that's another question for different times. However what I would like to see are the data after 2015 December, as the time after implementation is low in the data, as pre implementation data is almost 2 years and 3 months. Since the time has now elapsed it would be wise to look back into the data for more adverse events if reported during the last 3 years.

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.

Unable to assess

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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