Reviewer's report

Title: What is the easier and more reliable dose calculation for iv Phenytoin in children at risk for developing convulsive status epilepticus, 18 mg/kg or 20 mg/kg?

Version: 1 Date: 26 January 2013

Reviewer: Anna Rosati

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Comments for author:

Ref: Manuscript entitled: "What is the easier and more reliable dose calculation for iv phenytoin in children at risk of developing convulsive status epilepticus, 18 mg/kg or 20 mg/kg?".

In this original article Prasad and coll. have analysed the risk of error in calculating dose of phenytoin administered at two different dosages (18 mg/kg vs 20 mg/kg).

They have also analysed error risk differences between the different professional figures.

The Authors found a greater error risk of dose calculation when 18 mg/kg of phenytoin were administered instead of 20 mg/kg of phenytoin. Interesting, students and doctors showed similar performance and error percentage.

The topic is of interest especially if we consider that a calculator, which may reduce the risk of error, may be not available.

Discretionary Revision

I would recommend addressing in the discussion the need of a comparative study of the effects of two different dosages (18 mg/kg vs 20 mg/kg) of phenytoin in children with status epilepticus.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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

Declaration of competing interests:

I have nothing to declare.