Reviewer's report

Title: Detection of Drug Effects on Gastric Emptying and Contractility Using a Wireless Motility Capsule

Version: 1 Date: 28 July 2013

Reviewer: Stefan Rauch

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Minor Essential Revisions

The authors have conducted an interesting study using a novel wireless motility capsule in order to assess the pharmacological effect on gastric emptying. They have used two different drugs (morphine, erythromycin) compared with placebo (saline) to study GET in healthy volunteers. I have only a few comments that should be addressed:

The authors should elaborate a little bit on the inter- and intraindividual differences in gastric emptying time in healthy persons found in previous studies. Although there was a statistical significant difference in GET - in general - it seems that gastric emptying of the capsules in this study remains physiologically.

Furthermore, it would be helpful to show if there is any variability in GET by giving the IQR.

All the volunteers have received a standardized meal. Food per se can alter gastric motility. I would add a few remarks about the influence of food and nondigestible solids on gastric emptying despite the similar formula meals.

What was the rational for using these drug doses? 150 mg erythromycin seems to be a subtherapeutic dose compared with the data in the literature.

Typing error:

Page 7, line 11 subjects instead of subjected

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

Quality of written English: Acceptable

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.