Reviewer's report

Title: Effects of oral adenosine 5'-triphosphate and adenosine in enteric-coated capsules on indomethacin-induced permeability changes in the human small intestine: a randomized cross-over study

Version: 1 Date: 26 March 2007

Reviewer: Adrian Cummins

Reviewer's report:

General

This study is straightforward and it is unfortunate that a positive outcome was not obtained. The major issue is that I would like more detail initially on the preceding study (reference 30) in the Introduction, as this information is scattered in various parts of the manuscript, but is critical to understanding this present study. Such issues are when the peak of permeability following indomethacin is expected and I wonder whether paragraph 4 in the Introduction could be deleted or moved to the Discussion. The study would be more interesting if the authors waited until further studies were completed (more frequent administration of ATP/adenosine) and hopefully these would yield a positive outcome.

None

None

What next?: Unable to decide on acceptance or rejection until the authors have responded to the major compulsory revisions

Level of interest: An article of limited interest

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 no competing interests