Reviewer's report

Title: Hysterosalpingocontrast sonography (HyCoSy): evaluation of the pain perception, side effects and complications

Version: 1 Date: 13 April 2013

Reviewer: Thierry Van den Bosch

Reviewer's report:

The authors present a series of 632 women undergoing hysterosalpingo-contrast sonography (HyCoSy) using a mixture of air and saline solution. The study’s endpoints were patients’ pain perception and procedure related side effects/complication. They conclude that HyCoSy is a well-tolerated and save test, confirming previous reports.

This study is of interest.

Major Compulsory Revision

1. Specify the patients were included consecutively
2. I would be of interest to add some details on the technique used: How was the air & water mixture obtained? What was the volume used (range)? Where was the balloon inflated (+ specify the volume)?
3. In the methods it is reported that the patients answered a questionnaire. However the results are not given.
4. Did the number of 632 also include the women who underwent a second HyCoSy? If yes, it would be advisable to present a including flowchart.
5. In the discussion section, the authors report on the association between pain and injected volume. It is not clear if the authors report their own experience or literature reports. In the former case, this should be mentioned in the methods and the results section.

Minor Essential Revisions

Table 1: specify the units (e.g. years, months)

Discretionary Revisions

The paper might benefit some slight restyling

Level of interest: An article of importance in its field

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.