Reviewer’s report

Title: Association of cytochrome P450 genetic polymorphisms with neoadjuvant chemotherapy efficacy in breast cancer patients

Version: 1 Date: 16 March 2012

Reviewer: Luis Quiñones

Reviewer’s report:

This is an interesting article which pursues to analyze the relationship between CYP polymorphisms and efficacy of neoadjuvant therapy in breast cancer patients. It is well English written and the methodology is appropriate.

Discretionary revisions

I think the conclusion is not so strong because of the observed CI95% for the association with CYP2C9*2 polymorphism which is a quite wide range and very near to 1.0 in spite of the number of patients is bigger enough.

Minor essential revisions

Material and Methods

• The author should include the date and number of approval document of the local ethics committee.

• The sentence “electrophoresis on 10% PAAG-TBE gels” should be changed by “PAGE on 10% TBE gels”.

Results and Discussion

• “CYP3A4*B” Must be changed by “CYP3A4*1B” (paragraphs 1 and 8).

Conclusion

• Change the sentence “CYP2C9*2 polymorphism associated….“ By “CYP2C9*2 polymorphism is associated....”.

Major compulsory revisions

The cited bibliography is too old, the newest reference is 2008 (only one). This issue is relevant in order to have an strong support of the discussion and the conclusion. Major revision of literature is required.

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

Quality of written English: Acceptable
Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:
I declare that I have no competing interests