Reviewer's report

Title: Effects of tamoxifen on vaginal blood flow and epithelial morphology in the rat.

Version: 2 Date: 26 June 2006

Reviewer: Seyma Hascalik

Reviewer's report:

General

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Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

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Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

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Discretionary Revisions (which the author can choose to ignore)

Abstract

- Background should be shortened. Some of the information in whichTx should be transported into Introduction.

Results:

- How the mean vaginal weight was measured?

- Tamoxifen treatment caused a significant decrease in mean uterine weights, whereas mean vaginal weights were similar in control and tamoxifen-infused rats. This sentence is not clear. It should be rearranged.

Conclusion:

- The sentence beginning with Further research is required to better understand the clinical symptoms associated with tamoxifen treatment and their effects on sexual function in women should be removed.

Introduction

This sentence starting with In a study designed to specifically assess the effects of tamoxifen on sexual function in women, 22 of 41 sexually active subjects (54%) experienced pain/discomfort during intercourse that was unrelated to previous chemotherapy [7]. The duration of tamoxifen treatment ranged from 2 to 24 months with a median duration of 12 months should be carried into Discussion.

Material and Method

The paragraph related to Determination of plasma estradiol concentration is too long and must be slashed.

All of biochemical and histopathological procedure should be shortened.

If the authors have sufficient vaginal tissue they can optionally measure the tissue NO levels.

Results

Page 12, line 3,4: In vivo studies in anesthetized rats demonstrated frequency-dependent increases in...... Instead of Present study...... should be written.

vaginal blood flow in response to pelvic nerve stimulation.
Discussion
It should be slashed.

According to me, after the point-to point correction of these queries by the authors, this article is suitable for publication.

What next?: Accept after discretionary revisions
Level of interest: An article of limited interest
Quality of written English: Acceptable
Statistical review: Yes
Declaration of competing interests:
I declare that I have no competing interests'