Reviewer's report

Title: In vitro and in vivo anticancer properties of a Calcarea carbonica derivative complex (M8) treatment in a murine melanoma model

Version: 1 Date: 12 September 2009

Reviewer: Gitte Jensen

Reviewer's report:

This is a very well presented data set, combining highly convincing data from carefully selected in vitro and in vivo experiments.

I only have a few minor editorial comments that may help:

Page 12, line 22: "xilene" should be "xylene".

Page 13, line 19: "polimerization" should be "polymerization".

Page 14, lines 19-21: This is a very important observation, and you should provide the P value, even if it did not reach statistical significance. The sentence needs to be re-worded. For example: Cell cycle was evaluated and a clear tendency (or trend) to a decrease in the number of cells in S and G2 stages was observed; however, the data did not reach statistical significance (p=...).

Page 15, line 18-19: change beginning of the sentence to: "A decrease in the number of tumoral nodules was observed..."

Page 16, line 12-15: The sentence is unclear - please reword.

Page 16, line 16: remove the 's' from the end of the word mitochondria. (The word mitochondria is plural without the 's').

Page 16, line 17-18: Change sentence to: "Furthermore, many dying parenchyma cells with picnotic nucleus were seen..."

Page 17, Line 18: Change to: "After M8 treatment, perlecan expression was significantly down regulated in tumor nodules..."

Page 18, line 17: Start sentence: "Progression of melanoma, as well as other malignant cancers, ..."

Page 20,lines 3-6 are unclear. Try: "...but there was a clear tendency for --- to be close to the levels seen in normal mice..."

Level of interest: An article of outstanding merit and interest in its field

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.