Author's response to reviews

Title: Characterization of human malignant mesothelioma cell lines orthotopically implanted in the pleural cavity of immunodeficient mice for their ability to grow and form metastasis

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Version: 11 Date: 28 February 2006

Author's response to reviews:

Dear Editor,

In relation to the manuscript 1398630894756530 by myself et al., here is a reply to the critiques of the reviewers on a point by point basis.

Reviewer Amir Onn

Major Compulsory Revisions:

1) The manuscript has been corrected by a native English medical writer.

2) Analyzing the growth rate of MPM cell injected orthotopically (Tab. 2, 3, 4) and subcutaneously (Fig. 1) we evidenced the differences between the two implantation model. Moreover, we showed that the growth of MM-B1 cells seems to be site-specific as they did not form tumor masses when injected subcutaneously (Tab. 1).

The advantage of orthotopic transplantation procedures in analyzing the cancer cell biology as been widely verified by many studies. As reported in the background, subcutaneous implantation of human MPM cancer cells in immunodeficient mice results in tumor growth at the injection site and no metastatic dissemination, whereas human MPM growth in humans is associated with regional tumor spreading and lung invasion.

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