Reviewer's report

Title: Pentastatin-1, a collagen IV derived 20-mer peptide, suppresses tumor growth in a small cell lung cancer xenograft model

Version: 1 Date: 21 July 2009

Reviewer: cherry bai

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- Major Compulsory Revisions
1) Since Pentastatin-1 decreases microvascular angiogenesis, it is necessary to exclude toxicity of the therapy for vascular structures in major organs, especially kidney, liver and ovary (ovaries are reported to have robust physiological angiogenesis)
2) The authors claim that Pentastatin-1 potentially treats lung cancer through shrinking mean tumor volume. Many anti-tumor agents have been dismissed during clinical trials due to failure of prolonging survival. In this regard, the survival of murine should be evaluated to conclude the antitumor effect, and to support its potential clinical application in the long run.

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'