Reviewer's report

Title: Influence of Oral Glutamine Supplementation on Survival Outcomes in Locally Advanced Non-Small Cell Lung Cancer Patients Treated with Concurrent Chemoradiotherapy

Version: 2 Date: 6 June 2012

Reviewer: nada rotovnik kozjek

Reviewer's report:

Mayor compulsory Revision

1. Abstract: The question posed by the authors is still not clearly defined!
   In background section of abstract authors posed the main question about survival and then in result section discussed on the first place about side effects treatment

2. Background
   In this context, exogenous Gln supplementation not only normalizes Gln levels in the body but also selectively increases GSH levels in normal tissue, which may explain its selective radioprotective function [3, 6-8]....
   Does enteral glutamin supplementation really normalize GLN levels in body???
   Have we enough glutamine and how does it work? A clinician's view.
   SEE also comment 4.

3. Methods
   What was the method to evaluate nutritional status of patients? Just measuring weight?
   Which criteria did you use for grading nausea and vomiting?

4. General remark on the paradigm of the study and discussion
   In the discussion authors showed data (from references) that exogenous supplementation of glutamine doesn't stimulate tumour growth in various cancers. Furthermore, they also showed data that lack of glutamine in body is associated with promoting tumour growth (your reference 4). So, why the authors main question is the association of glutamine ingestion and its promoting of the tumor growth in NSCLC patients. Are these tumor cells so different than other cancer cells that they expect that association? My be they would consider another approach: regarding to available data they could look for association between the glutamin supplementation and improved survival?

Level of interest: An article of importance 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 I have no competing interests