Reviewer's report

Title: Customized Chemotherapy Based on EGFR Mutation Status for Elderly Patients with Advanced Non-Small-Cell Lung Cancer: a phase II trial

Version: 1 Date: 10 February 2012

Reviewer: Marco BL MBL Rocchi

Reviewer's report:

The paper is very interesting, providing useful results for clinical practice. I have only Minor essential Revisions to suggest:

1. because of the nature of the study (i.e. a phase II), I suggest to underline that the comparison of the two arms has only explorative meaning. Although the presence of a control group is admitted, a phase II study is a non-controlled one. In fact, as the Authors correctly did, the sample size is calculated separately for each arm, and not in order to compare results. So, I suggest to strongly remark the results of single arms separately, and to underline that, from an explorative point of view, some useful information can be obtained from the explorative comparison between groups' results.

2. Please, indicate the statistical tests used for comparisons, both of characteristics at baseline and of results (only Kaplan Meier and logrank rest are indicated).

3. Please, indicate the statistical software (I suppose it is SPSS, as I deduce from graphics) and its release

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