Reviewer's report

Title: Distinctive outcome in patients with non-uterine and uterine leiomyosarcoma

Version: 3  Date: 17 September 2014

Reviewer: Ritu Salani

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Major Compulsory Revisions

1. On line 148, there seems to be a section missing regarding the survival analysis.

Minor Essential Revisions

The paper has some organizational or content issues that make the manuscript difficult to follow and it does not flow smoothly. I have the following suggestions:

1. Lines 82 and 83 are not relevant to the data presented (regarding pazopanib and trabectedin). Consider eliminating in introduction but leaving in discussion.

2. Combine lines 84-89 as it seems to be somewhat choppy.

3. Please define how clinical examination was used to determine tumor size (line 106) as this seems highly variable.

4. Discuss the specific follow up care for patients (line 108+). Did patients have routine imaging performed or only based on symptoms, etc?

5. In the results section, consider starting with all of the patient characteristics and then separating into the two subgroups. (Can remove multiple references to table 1).

6. International on line 102 should be capitalized.

7. Line 177, doxorubicin is misspelled.

8. What does wide resection margins mean?

9. Line 196, ORR is not defined in the manuscript.

10. In the discussion, the section on gene expression should be separated and discussed in more detail as it is an interesting theory to the biologic differences.

Discretionary Revisions:

1. I do not think figure 3 and 4 add to the manuscript and should be removed.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published
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