Reviewer's report

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

Version: 3 Date: 30 September 2014

Reviewer: Tom Scharschmidt

Reviewer's report:

Major Compulsory Revisions
1) please explain the discussion on the inherent and genetic differences between uterine and non-uterine LMS. This report represents an interesting review, however, these may be different tumors.
2) Line 82- mention newer agents (pazopanib) without mentioning first line agents. Please expand
3) Line 233, statement says that NULMS usually present with pain. This is incorrect as most are painless growing masses

Minor Essential Revisions
1) Line 148- last sentence is confusing, I think the colon is misplaced?
2) It seems that only 58% of NULMS received radiation, where this adjuvant is usually considered standard of care for these high grade tumors. Please discuss.

Discretionary Revisions
1) include a statement that superficial LMS are not included

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 no competing interests