Reviewer's report

Title: HMGA1 and HMGA2 expression and comparative analyses of HMGA2, Lin28 and let-7 miRNAs in oral squamous cell carcinoma

Version: 3 Date: 13 November 2013

Reviewer: Moganty RAJESWARI

Reviewer's report:

1. For the study, tissue samples were obtained from nine patients (seven canine tumor and two healthy control), but in section 2.3 authors have mentioned that canine cell line was generated from freshly isolated oral squamous cell carcinoma biopsy (patient 10). It needs clarification.

2. In section 2.5 how much was the 250 RNA. Please mention the units consistently.

3. There are typographical and grammatical mistakes in the manuscript. It would be better to correct the same, like HMGA1 did not showed in abstract, full stop when sentence completes…. in non small cell lung cancer [8] . The whole manuscript is needed to be read thoroughly in terms of English and typographic mistakes.

4. Reference 33,34, volume, issue and page number are missing

5. Reference 5 and 31 need correction.

6. From the study, authors have shown significant upregulation of HMGA2 while HMGA1 did not show significant deregulation by relative qPCR at gene level. This finding should be corroborated by Western blot result at protein level. It will further strength the study. It would have been better that authors should demonstrate HMGA expression at protein level.

7. Is squamous cell carcinomas of the oral cavity in human and canine biased for HMGA1a and HMGA1b?

8. The legend of Figure 4 is exactly the copy to that of Figure 3. It would be better to reframe the legend of figure 4.

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.