Reviewer's report

Title: Clinical significance of OCT4 and SOX2 protein expression in cervical cancer

Version: 2  Date: 3 September 2015

Reviewer: Anupam Basu

Reviewer's report:

The author must respond to these before a decision on publication can be reached.

Kim et al. presented their work entitled Clinical significance of OCT4 and SOX2 protein expression in cervical cancer. They have suggested that OCT4 overexpression and loss of SOX2 expression are strongly associated with poor prognosis in patients with cervical cancer. But recently published papers (Jing Ji et al., 2014, Chang et al., 2015, and Wen Li et al.) with same type of work need to be considered, before final judgment:

1. The author should validate and justify their findings with the recently published papers as mentioned below:
   A) Jing Ji et al., Int J Clin Exp Pathol 2014;7(5):2470-2476, Reported that Sox2, and Oct4 were highly increased in CSCC compared with the normal cervix tissues.
   b) Chang et al., Tumor Biol. (2015). reported that 100 % of well-differentiated and 66.7 % of moderately differentiated cervical SCCs showed lower SOX-2 expression, while 58.8 % of poorly differentiated tumors had higher SOX-2 expression.
   c) Wen Li et al., Plos One (March 2015) Reported that both nuclear OCT4A and cytoplasmic OCT4B were over expressed in cervical cancer.

2. Table 3, p - value for the association between OCT 4 and SOX 2 in cancer is not significant. Need to be justified

Minor Essential Revisions:

3. Fig 1. must be of higher objective magnification for the understanding of localization.

Level of interest: An article whose findings are important to those with closely related research interests

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

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

This reviewer declare of no competing interests