Reviewer 1:

The authors present an interesting review about cancer stem cells in laryngeal squamous cell carcinoma. This is an interesting topic and an active area of research. Nevertheless, there are some important concerns. Manuscript needs to be thoroughly proofread and edited for English language. There are too many grammatical errors that impair reading of the manuscript. Additionally, there are two figures which are not at all referred in the manuscript.

Reviewer 2:

In this paper, the authors summarized the functions and roles of Cancer Stem-like Cells in human LSCC. The following are the questions in this review.

1. There are problems with sentence structure, verb tense, and clause construction.

2. In the part of "Isolation and Characterization of Larynx Cancer Stem-like Cells", the authors use "Cancer Stem-like Cells", but the authors use "Cancer Stem Cells" in the title. These two concepts are quite different. From the references, there is no sufficient evidence for the existence of CSCs in LSCC.

3. Most of references’ impact factors are between 2~4, seems to be too low. Some results in those articles are suspect. In addition, the authors direct quote other published Reviews. What is the original?

4. The authors should use some figures and tables to explain their opinions.

5. The authors need to add more of their original insights.

So, the manuscript must be major revised before resubmission.

Reviewer 3:

1. There are many grammatical mistakes that should be corrected. The authors should more carefully proofread the manuscript to make the corrections. Some obvious ones are listed below: "Recent evidences in the last decade has suggested the existence of CSCs..." -> "... have suggested the existence of CSCs...", "... concerns about relationship between abnormal miRNA expression and
chemo-radio resistance of tumor cells has been …" -> "... concerns about relationship between abnormal miRNA expression and chemo-radio resistance of tumor cells have been...”;

2. Sentence tenses can be unified. For examples,

Huang et al. profiled radiation related miRNAs in CD133 positive Hep-2 cells and showed differential expression of 70 miRNAs in radiation treated laryngeal CSCs.

These findings points involvement of certain miRNAs in regulation of CSCs in response to radiation therapy (62).

However, since both normal and cancerous tissue specific stem cells share similar expressional and antigenic profiles, it is difficult to target specifically CSCs (71).

3. Some sentences can add the reference. For examples,

1). Li et al investigated the expression of p75 neurotrophin receptor p75NTR (also known as CD271) and its possible functions in LSCC.

2). Chen et al. investigated the proliferation of capacity of CD133 positive Hep-2 cells in association with Glucose transporter 1 (GLUT-1) expression, which is important in aberrant glucose metabolism.

(end)