Reviewer’s report

**Title:** A survivin-responsive, conditionally replicating adenovirus induces potent cytocidal effects in adult T-cell leukemia/lymphoma

**Version:** 1  **Date:** 26 Dec 2018

**Reviewer:** Seiji Fukuda

**Reviewer's report:**

This manuscript described the cytotoxic effect of survivin-responsive, conditionally replicating adenovirus on the adult T-cell leukemia and lymphoma. The results indicate that survivin-responsive, conditionally replicating adenovirus significantly decreased the number of viable T-cell leukemia and lymphoma cells. The study is well performed and clinically relevant, if applied to the patients. A few minor corrections are suggested.

**Minor**

1. The authors demonstrated that the expression level of coxsackie and adenovirus receptor (CAR) is up-regulated in T-cell leukemia and lymphoma, which may be responsible for the high transduction efficiency by survivin-responsive, conditionally replicating adenovirus. It would be helpful to discuss the potential reason for the up-regulation of CAR.

2. Some paragraphs are repeated twice, so please remove all the redundancy. For instance, lines 11-16 on page 7 re-appear in the second paragraph on page 17. Line 9 on page 9 is also stated on the 3rd line on page 18. Lines 21-23 are also used on lines 7-9 on page 14.

3. The references 1-31 are also repeated. Please double check.

**Are the methods appropriate and well described?**

If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**

If not, please specify which controls are required in your comments to the authors.

Yes
Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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