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ESPS Peer-review Report

Name of Journal: World Journal of Stem Cells

ESPS Manuscript NO: 4573

Title: An overview of the role of cancer stem cells in spine tumors with special focus on chordoma

Reviewer code: 00725805

Science editor: Zhai, Huan-Huan

Date sent for review: 2013-07-08 11:56

Date reviewed: 2013-07-18 22:32

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

Good work, nicely presented. Of course, it's just a summary of a chaotic research field, but still it's contributing.



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ESPS Peer-review Report

Name of Journal: World Journal of Stem Cells

ESPS Manuscript NO: 4573

Title: An overview of the role of cancer stem cells in spine tumors with special focus on chordoma

Reviewer code: 02446263

Science editor: Zhai, Huan-Huan

Date sent for review: 2013-07-08 11:56

Date reviewed: 2013-08-15 01:43

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input checked="" type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

In the present manuscript, the authors aimed to review the role of cancer stem cells (CSC) in spine tumors. The manuscript may be interesting to researchers working in the field, but need a major revision as follows: Mayor compulsory revisions. -The manuscript needs extensive format review, since it has many typos and some orthographic mistakes. -Abstract is just a general explanation of what are CSCs and does not reflect the content of the manuscript. -Authors use the terms cancer stem cells, tumor stem cells, and tumor-initiating cells. They need to define them clearly or homogenize the text if they are using them as synonyms. - The fist sections (“Theory of CSC” to “Mechanisms of CSC in resistance”) are a non-extensive review of the status of the field of CSC in EPITHELIAL-DERIVED TUMORS. Since they want to focus this manuscript in spine tumors, I do not find adequate to quote (almost exclusively) information from epithelial tumors. How is the field in mesenchymal tumors? - A short explanation of the BIOLOGY of CSC and the MOLECULAR MECHANISMS involved, would improve the section “Theory of CSC”. -The sections within “Role of CSC in spine tumors” are very heterogeneous. For example, “Chondrosarcoma” does not focus on CSC, but in normal stem cells. In contrast, “osteosarcoma” includes relevant data of the role of CSC in this type of tumor, and should be used as model to homogenize this part of the manuscript. - Title and conclusions should be modified. The manuscript does not really provides a special focus on chordoma. The conclusion “...this study is the first of its kind to review further evidence supporting the role of CSC in chondroma” does not agree with the text of the manuscript, since authors are reviewing and discussing only two papers on the topic (Aydemir et al. and Hsu et al.) Minor essential revisions -I did not find the call for figure 1 in the text. Does this figure really improve the understanding of what is presented in the text?