



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 53289

Title: The multifaceted p21 in carcinogenesis, stemness of tumor and tumor therapy

Reviewer's code: 02856239

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's country: United States

Author's country: China

Manuscript submission date: 2020-01-15

Reviewer chosen by: Ruo-Yu Ma

Reviewer accepted review: 2020-01-17 10:29

Reviewer performed review: 2020-01-17 12:25

Review time: 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



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This is an interesting article that reviewed CDKN1A (p21, CIP1) in cancer. It is very important to better characterize molecular mechanisms of carcinogenesis. Hence, this review is important. Overall, the paper can have significant impact with following revisions. Please write “CDKN1A (p21, CIP1)”, “TP53 (p53)”, etc. because those are CDKN1A and TP53 gene products. The first appearance should be “CDKN1A (p21)” and thereafter CDKN1A (p21) or CDKN1A should be used. We need to use standardized names. Please see www.genenames.org. p21 is non-specific name, and can mean many proteins such as CDKN1A: cyclin dependent kinase inhibitor 1A Gene symbol alias P21 TCEAL1: transcription elongation factor A like 1 Gene symbol alias p21 H3P16: H3 histone pseudogene 16 Gene symbol alias p21 NSG1: neuronal vesicle trafficking associated 1 Gene symbol alias P21 There are many environmental and microenvironmental factors that influence molecular mechanisms of carcinogenesis. When discussing CDKN1A expression variable, the authors can also discuss influence of those factors, eg, smoking, diet, microbiome, etc. In this context, as a future direction, research on cancer risk factors, microbiome, immunity, and molecular tissue biomarkers is needed. In these contexts, the authors should discuss molecular pathological epidemiology (MPE), which can investigate those factors in relation to molecular pathologies in normal or diseased tissue. MPE, its strengths and challenges have been discussed in Gut 2011, Annu Rev Pathol 2019, etc. I believe MPE research can be a promising direction. Please describe strengths and challenges of MPE.

INITIAL REVIEW OF THE MANUSCRIPT

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[Y] No

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