

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 39236

**Title:** ROLE OF ALDEHYDE DEHYDROGENASE (ALDH2) IN ISCHEMIA REPERFUSION INJURY: AN UPDATED OVERVIEW.

**Reviewer's code:** 03074879

**Reviewer's country:** China

**Science editor:** Xue-Jiao Wang

**Date sent for review:** 2018-04-12

**Date reviewed:** 2018-04-17

**Review time:** 5 Days

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 checked="" 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 type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

1.This paper summarized the paper about ALDH2 on oxidative stress, autophagy and apoptosis in IRI, and elaborated the role of it, and listed the relevant paper. Not only on the mechanism are described, but also for the heart, brain, elaborates the role of the



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small intestine, kidney, and at the last channeling theory to practice, there may be a major role in organ transplantation. 2.The article has a clear idea, the language is rigorous and methodical, and the effect of ALDH2 on IRI is elaborated. In addition, the effect of oxidative stress and autophagy and apoptosis in IRI was illustrated with a graph. 3.In this paper, oxidative stress, autophagy and apoptosis are used to elucidate the role of IRI. It can be suggested that the authors add necrosis and pyroptosis to explain the role of IRI. Apart from the heart, brain, small intestine, kidney, liver, you can look up the function of eyes.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
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- ☐ Plagiarism
- ☐ No

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**Manuscript NO:** 39236

**Title:** ROLE OF ALDEHYDE DEHYDROGENASE (ALDH2) IN ISCHEMIA REPERFUSION INJURY: AN UPDATED OVERVIEW.

**Reviewer's code:** 03475142

**Reviewer's country:** Japan

**Science editor:** Xue-Jiao Wang

**Date sent for review:** 2018-04-12

**Date reviewed:** 2018-04-25

**Review time:** 13 Days

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:
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<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
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			<input type="checkbox"/> No expertise
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			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

This review is designed to investigate the role of ALDH2 in ischemia reperfusion injury. It is the reviewer's opinion that the manuscript is quite interesting and easy to follow. It appears that there is a concern in the review. 1) It is clear in the review that ALDH2



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modulates pathways involved in the pathophysiology of IRI associated to oxidative stress, autophagy and apoptosis. However it is not clear which type of cells play a role under ALDH2 administration. The authors should discuss about the point.

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**Title:** ROLE OF ALDEHYDE DEHYDROGENASE (ALDH2) IN ISCHEMIA REPERFUSION INJURY: AN UPDATED OVERVIEW.

**Reviewer's code:** 02540650

**Reviewer's country:** Egypt

**Science editor:** Xue-Jiao Wang

**Date sent for review:** 2018-04-12

**Date reviewed:** 2018-05-08

**Review time:** 26 Days

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:
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### SPECIFIC COMMENTS TO AUTHORS

The idea is not innovative and is frequently studied Details of the manuscript lacking role of aldehydes in organ transplantation language requires dramatic improvement



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