



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Hepatology

**Manuscript NO:** 51784

**Title:** Liver Injury Induced by Paracetamol and Challenges Associated with Intentional and Unintentional Use

**Reviewer's code:** 00504935

**Position:** Editorial Board

**Academic degree:** BPharm, MPhil, PhD

**Professional title:** Professor

**Reviewer's country:** Pakistan

**Author's country:** United States

**Reviewer chosen by:** Artificial Intelligence Technique

**Reviewer accepted review:** 2019-10-16 07:33

**Reviewer performed review:** 2019-10-16 07:38

**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 type="checkbox"/> Grade B: Minor language	(High priority)	<input 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 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 type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**



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Acceptable

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**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Hepatology

**Manuscript NO:** 51784

**Title:** Liver Injury Induced by Paracetamol and Challenges Associated with Intentional and Unintentional Use

**Reviewer's code:** 03477174

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Associate Professor

**Reviewer's country:** Turkey

**Author's country:** United States

**Reviewer chosen by:** Ruo-Yu Ma

**Reviewer accepted review:** 2019-10-21 09:03

**Reviewer performed review:** 2019-10-29 08:02

**Review time:** 7 Days and 22 Hours

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 type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
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I have to say this first, this is a good review and well design. However, I am sorry to say that recently there are published enough novel studies and reviews on this topic in the literature. Therefore, I do not believe that this article will contribute to the literature.

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**Name of journal:** World Journal of Hepatology

**Manuscript NO:** 51784

**Title:** Liver Injury Induced by Paracetamol and Challenges Associated with Intentional and Unintentional Use

**Reviewer’s code:** 00002314

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor

**Reviewer’s country:** Italy

**Author’s country:** United States

**Reviewer chosen by:** Ruo-Yu Ma

**Reviewer accepted review:** 2019-10-21 14:40

**Reviewer performed review:** 2019-10-29 22:34

**Review time:** 8 Days and 7 Hours

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
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			<input checked="" type="checkbox"/> No

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This manuscript is a nice overview of hepatotoxicity induced by paracetamol. In general, it is well written and easy to follow, but in my opinion it is a bit disappointing because it does not fulfill the expectations raised by the title "A Clinical and Mechanistic Update". - What is the novelty of this manuscript and how can it be helpful to the clinician? The authors should try to be convincing in identifying what this paper adds to the existing literature. For instance, discussing the different size of the problem (i.e. liver toxicity/failure after suicidal attempts) in different countries could provide added value. A table with data could help. - A clinician's interest might be captured more easily if practical management of different clinical cases of liver toxicity were discussed in more detail with flow charts. The use of nomograms (e.g. the Rumack-Matthew nomogram) is only briefly mentioned whereas this part should be more critically discussed. The clinician's main conclusion can be very difficult to grab because of the lack of illustrations/flow charts? Minor points - the maximum adult oral dose of paracetamol: it has remained 4 g daily only in some countries. In some other EU countries, it was reduced to 3 g daily. Please check, and in case provide a brief analysis. - structural formulas could help in the graphical pathways of metabolism. - I noticed some typos.

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Plagiarism

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**Manuscript NO:** 51784

**Title:** Liver Injury Induced by Paracetamol and Challenges Associated with Intentional and Unintentional Use

**Reviewer's code:** 01548565

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Director

**Reviewer's country:** China

**Author's country:** United States

**Reviewer chosen by:** Ruo-Yu Ma

**Reviewer accepted review:** 2019-10-30 12:34

**Reviewer performed review:** 2019-10-30 12:55

**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:
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<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
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Drug induced liver injury (DILI) is a common cause of acute liver injury. Hepatotoxicity from paracetamol overdose is the most common cause of DILI worldwide. Paracetamol remains a significant cause of acute hepatotoxicity, as evidenced by its contribution to over half of all acute liver failure cases in the United States. This is especially concerning given that, when co-ingested with other medications. In this review, the author describe the clinical and pathophysiologic features of hepatotoxicity secondary to paracetamol and provide an update on current available knowledge and treatment options. As the results, the e conclusion is Accept (General priority).

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