



**PEER-REVIEW REPORT**

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

**Manuscript NO:** 50453

**Title:** Escitalopram-induced Liver Injury: A Case Report and Review of Literature

**Reviewer's code:** 00036801

**Position:** Peer Reviewer

**Academic degree:**

**Professional title:**

**Reviewer's country:** Spain

**Author's country:** Singapore

**Reviewer chosen by:** Li-Jun Cui (Quit in 2019)

**Reviewer accepted review:** 2019-07-24 16:13

**Reviewer performed review:** 2019-07-30 13:36

**Review time:** 5 Days and 21 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
<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 checked="" 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**

This manuscript reports an escitalopram-induced liver injury case. Previously to this



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case, only one case of liver injury associated to escitalopram had been published despite the wide use of escitalopram suggesting that escitalopram-induced liver injury is a very rare event. This case is interesting but a more precise evaluation of escitalopram causality is needed before conclude that the drug is the culprit of the injury. concretely:

- 1 - in the case description more data about a possible allergic nature of the injury such as eosinophils counts and presence or absence of skin rashes in addition to the fever must be provided.
- 2 - According to temporal relationship among drug intakes and liver injury detection olanzapine and escitalopram were started less than 30 days previous to injury detection. Even more, olanzapine increased dose in that period. Why olanzapine was not considered suspected of causing the injury and only escitalopram treatment was retired? what about the interaction between olanzapine and escitalopram as the responsible of injury?
- 3 - Authors must applied the CIOMS/RUCAM scale of hepatotoxicity to quantitatively assess the causality of suspected drug induced liver injury in this case. The causality for escitalopram, olanzapine and the interaction between both drugs should be assessed and items and points resulting for each drug must be showed in the text.
- 4 - The termination date of fluoxetine treatment by the patient must be indicated in the text. If termination date was less than 3 months previous to injury detection and according to the long half-life of fluoxetine and its metabolite a consideration about a possible fluoxetine involvement in the development of injury must be done.
- 5 - In the conclusion section, authors state that "Measurements of LFT could be considered after initiation of antidepressant treatment, especially in patients with pre-existing liver disease". Why in patients with pre-existing liver disease? what information manage the authors to state this recommendation?

## **INITIAL REVIEW OF THE MANUSCRIPT**

*Google Search:*



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- The same title
- Duplicate publication
- Plagiarism
- No

***BPG Search:***

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**PEER-REVIEW REPORT**

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

**Manuscript NO:** 50453

**Title:** Escitalopram-induced Liver Injury: A Case Report and Review of Literature

**Reviewer's code:** 03646555

**Position:** Peer Reviewer

**Academic degree:**

**Professional title:**

**Reviewer's country:** Australia

**Author's country:** Singapore

**Reviewer chosen by:** Ya-Juan Ma

**Reviewer accepted review:** 2019-08-04 15:45

**Reviewer performed review:** 2019-08-04 15:51

**Review time:** 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" 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 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**

Overall this is a well written case report, albeit of quite a simple case without any



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histological results which would have strengthened the report by more definitively ruling out alternative diagnoses (although I acknowledge the patient's improvement after escitalopram withdrawal. Please make more explicit in the case presentation the fact that she had started escitalopram 2 weeks prior to presentation (perhaps around line 61 or 62). This fact was mentioned in the abstract and in the diagram, but should be explicitly stated in the main body of the text. Otherwise this is of publishable quality.

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

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

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- No



**PEER-REVIEW REPORT**

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

**Manuscript NO:** 50453

**Title:** Escitalopram-induced Liver Injury: A Case Report and Review of Literature

**Reviewer's code:** 03520161

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Doctor, Lecturer, Senior Researcher

**Reviewer's country:** Israel

**Author's country:** Singapore

**Reviewer chosen by:** Li-Jun Cui (Quit in 2019)

**Reviewer accepted review:** 2019-07-24 21:47

**Reviewer performed review:** 2019-08-11 20:33

**Review time:** 17 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:
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		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
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			<input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

Overall this is a nice case report however the major limitation in this case is how the



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authors precluded Olanzapine as a culprit for this DILI, the exact time points for the start and the stop of each drug should be defined, Second: the authors stated that "Measurements of LFT could be considered after initiation of antidepressant treatment, especially in patients with pre-existing liver disease", how did they reach this conclusion? please correct

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