

## PEER-REVIEW REPORT

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

**Manuscript NO:** 42601

**Title:** Bariatric surgery in patients with non-alcoholic fatty liver disease - from pathophysiology to clinical effects

**Reviewer's code:** 02942147

**Reviewer's country:** Argentina

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-10-06

**Date reviewed:** 2018-10-07

**Review time:** 1 Day

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

This comprehensive review of bariatric surgery in patients with non-alcoholic fatty liver disease summarizes in a practical way many aspects of this surgery in patients with NAFLD. It is my opinion that readers will find this article informative and easy-to read. I



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favour its publication I its present version

#### INITIAL REVIEW OF THE MANUSCRIPT

##### *Google Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [Y] No

##### *BPG Search:*

- ☐ The same title
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- ☐ [Y] No

## PEER-REVIEW REPORT

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

**Manuscript NO:** 42601

**Title:** Bariatric surgery in patients with non-alcoholic fatty liver disease - from pathophysiology to clinical effects

**Reviewer's code:** 00181530

**Reviewer's country:** Bangladesh

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-10-06

**Date reviewed:** 2018-10-08

**Review time:** 2 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 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

The review article by Laursen TL et al. on "Bariatric surgery in patients with non-alcoholic fatty liver disease - from pathophysiology to clinical effects" is an excellent article with the research question of beneficial and harmful effects and focused on



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changes in liver disease severity in NAFLD and NASH patients, with a specific focus on liver histopathology after bariatric surgery. They demonstrated that steatosis, steatohepatitis, and fibrosis improved or resolved in most patients following weight loss after bariatric surgery. Both invasive and non invasive methods of evaluation were used. Only correction is in abstract at last line “We reviewed several non-invasive methods used for the assessment of liver disease severity following bariatric surgery”-here both invasive and noninvasive methods were used but the author mentioned only non invasive. Effect of bariatric surgery on hepatic histology, metabolimics and GLP 1 is the novelty of the article.

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

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- ☐ [Y] No

## PEER-REVIEW REPORT

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

**Manuscript NO:** 42601

**Title:** Bariatric surgery in patients with non-alcoholic fatty liver disease - from pathophysiology to clinical effects

**Reviewer's code:** 02861450

**Reviewer's country:** United States

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-10-06

**Date reviewed:** 2018-10-19

**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:
<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

Laursen and colleagues wrote a clear and concise review of bariatric surgery in NAFLD. The exploration and summary of GLP-1 in particular and its role in NAFLD and change after surgery was welcomed. The review of liver histopathology and expectations of



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histopathologic improvement for clinicians was well written. The Non-invasive surrogate marker review was useful, and finally, then clinical outcomes were concisely reviewed. This manuscript will serve as a useful review for clinicians and researchers in the field of NAFLD and bariatric surgery, particularly those who are not hepatologists who want a deeper review of hormonal pathophysiology.

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## PEER-REVIEW REPORT

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

**Manuscript NO:** 42601

**Title:** Bariatric surgery in patients with non-alcoholic fatty liver disease - from pathophysiology to clinical effects

**Reviewer's code:** 02742751

**Reviewer's country:** Iran

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-10-19

**Date reviewed:** 2018-10-20

**Review time:** 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
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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

Dear Associate Editor, Thank you for sending me the article entitled "Bariatric surgery in patients with non-alcoholic fatty liver disease - from pathophysiology to clinical effects" for review. This review describes the primary effects of bariatric surgery on

metabolic pathways. It also reviewed several non-invasive methods used for the assessment of liver disease severity following bariatric surgery. The review included that bariatric surgery has the potential to induce great weight loss and improve the features of metabolic syndrome and T2D. However, there are major conflicts about the effect of surgery in histologic changes after bariatric surgery. Moreover, no studies demonstrated reduced liver-related mortality. The authors suggested large randomized clinical trials with long-term follow-up are needed to demonstrate the beneficial effects of bariatric surgery in NASH. In my opinion there are some comments as the followings: 1-Please define the search strategy (including key words, duration of search) 2-Please define the inclusion and exclusion criteria of mentioned studies and provide a fellow chart.

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