

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 53886

**Title:** Do different bariatric surgical procedures influence the plasma levels of matrix metalloproteinase-2, -7 and -9 among patients with type 2 diabetes mellitus?

**Reviewer's code:** 03402733

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Assistant Professor, Doctor

**Reviewer's Country/Territory:** Japan

**Author's Country/Territory:** Taiwan

**Manuscript submission date:** 2019-12-31

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-02-26 20:57

**Reviewer performed review:** 2020-02-29 09:31

**Review time:** 2 Days and 12 Hours

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 Grade E: Do not publish	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

☐ Yes

☐ No

#### **SPECIFIC COMMENTS TO AUTHORS**

Wu W-C et al. performed an observational study to compare transient serum MMP after bariatric surgical procedures. This study encompasses an interesting topic, but it has some critical problems. 1. The transient serum MMPs seems no difference between two groups. Authors concluded that improvements in obesity and T2DM induced by bariatric surgery might be the result of MMPs independent pathways. Their findings, however, doesn't support their conclusion. Authors should mention clearly that the transient serum MMPs was not different between two groups. 2. Small sample size. 3. Authors should describe the method for collecting samples and measuring MMPs. The result of serum MMP levels are depend on the method. 4. Authors should explain that they select MMP 2, 7, 9, but they didn't measure other MMPs.

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

##### *Google Search:*

☐ The same title

☐ Duplicate publication

☐ Plagiarism

☐ No



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*BPG Search:*

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- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 53886

**Title:** Do different bariatric surgical procedures influence the plasma levels of matrix metalloproteinase-2, -7 and -9 among patients with type 2 diabetes mellitus?

**Reviewer's code:** 03976790

**Position:** Editorial Board

**Academic degree:** DSc, PhD

**Professional title:** Emeritus Professor

**Reviewer's Country/Territory:** France

**Author's Country/Territory:** Taiwan

**Manuscript submission date:** 2019-12-31

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-02-21 07:29

**Reviewer performed review:** 2020-02-29 10:56

**Review time:** 8 Days and 3 Hours

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

[ ] Yes

[ Y] No

## SPECIFIC COMMENTS TO AUTHORS

Comments on the manuscript entitled “Do different bariatric surgical procedures influence the plasma levels of matrix metalloproteinase-2, -7 and -9 among patients with type 2 diabetes mellitus?” In this study, the authors measured plasma MMP-2, -7, and -9 concentrations in obese patients before and after bariatric surgeries : gastric bypass (GB) in 23 patients and sleeve gastrectomy (SG) in 19 patients. They concluded that bariatric surgery reduces obesity and diabetes through MMP-2, -7, -9 independent pathways. This work provides some insight into the relationships between the effects of bariatric surgery and the expression of MMPs. In the discussion, the authors give the limits of the study. This work could be the source of other research aimed at using certain MMPs as markers of the efficiency of bariatric surgery. The manuscript is interesting and well written but it needs several improvements. Methods - Give the characteristic of patients into a table in Methods (which can become “patients and methods”)and not at the beginning of Results (lines 193 to 196) - Give the abbreviation for “waist circumference”: WC Discussion and references - lines 250 to 252 : the reference Concha et al is not referenced in the list. - lines 254 to 256 : the reference [47] in the list is not Soumaya et al, but Boumiza et al. Check the references, correct and complete. Figures and tables - Figure 1 is not called in the text - Table 1 : add a column with WC (Waist circumference) - Table 2 : add a column with WC (Waist circumference)



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## INITIAL REVIEW OF THE MANUSCRIPT

### *Google Search:*

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- ☐ Plagiarism
- ☐ No

### *BPG Search:*

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

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 53886

**Title:** Do different bariatric surgical procedures influence the plasma levels of matrix metalloproteinase-2, -7 and -9 among patients with type 2 diabetes mellitus?

**Reviewer's code:** 00253956

**Position:** Editorial Board

**Academic degree:** BSc, PhD

**Professional title:** Academic Research, Assistant Professor, Doctor, Lecturer

**Reviewer's Country/Territory:** United Kingdom

**Author's Country/Territory:** Taiwan

**Manuscript submission date:** 2019-12-31

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-02-20 10:59

**Reviewer performed review:** 2020-03-04 17:23

**Review time:** 13 Days and 6 Hours

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

☐ Yes☐ No

### **SPECIFIC COMMENTS TO AUTHORS**

The authors have conducted a review of the benefits of bariatric surgery through measures of a number of markers associated with body size and the management of blood glucose, as well as a focus on the potential change of three matrix metalloproteinases (MMPs). Although markers such as BMI decreased in response to the surgery, plasma levels of these MMPs were not significantly different post-surgery, indicative that the improvements realised by the surgery were not related to the MMPs levels. Measurements of the levels of protein per se can be limited, although presumably follow activity profiles, although as the authors point out, a limitation of the study is that activity measurements were not taken, either in plasma or adipose tissue. Nevertheless, a drawback of the current publication landscape is a lack of publication of "negative" data, so it is commendable that the authors have still chosen to submit work that does not show a direct change in MMP levels, since this still adds to the field of literature. The authors have limitations in their study design (as noted), but the work is still useful and warrants publication.

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

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

☐ The same title





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☐ Duplicate publication

☐ Plagiarism

☐ Yes ☐ No

***BPG Search:***

☐ The same title

☐ Duplicate publication

☐ Plagiarism

☐ Yes ☐ No

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 53886

**Title:** Do different bariatric surgical procedures influence the plasma levels of matrix metalloproteinase-2, -7 and -9 among patients with type 2 diabetes mellitus?

**Reviewer's code:** 00253956

**Position:** Editorial Board

**Academic degree:** BSc, PhD

**Professional title:** Academic Research, Assistant Professor, Doctor, Lecturer

**Reviewer's Country/Territory:** United Kingdom

**Author's Country/Territory:** Taiwan

**Manuscript submission date:** 2019-12-31

**Reviewer chosen by:** Jie Wang

**Reviewer accepted review:** 2020-04-14 12:00

**Reviewer performed review:** 2020-04-14 12:05

**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 checked="" type="checkbox"/> Grade C: Good	polishing	<input checked="" 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 checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

The authors have answered the points raised by the reviewers, the manuscript can now be published.

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

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

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

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

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- ☐ Duplicate publication
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- ☒ No

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Position:** Editorial Board

**Academic degree:** DSc, PhD

**Professional title:** Emeritus Professor

**Reviewer's Country/Territory:** France

**Author's Country/Territory:** Taiwan

**Manuscript submission date:** 2019-12-31

**Reviewer chosen by:** Jie Wang

**Reviewer accepted review:** 2020-04-14 14:10

**Reviewer performed review:** 2020-04-15 11:30

**Review time:** 21 Hours

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 checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" 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 checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

The manuscript has been well improved according to the remarks. I think it could be accepted for publication.

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

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

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

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

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