

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 53651

Title: Novel insight into perirenal adipose tissue: A neglected adipose depot linking cardiovascular and chronic kidney disease

Reviewer's code: 00000663

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's country: Italy

Author's country: China

Manuscript submission date: 2019-12-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-01-01 08:58

Reviewer performed review: 2020-01-06 21:34

Review time: 5 Days and 12 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 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 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

The study reviews the evidence on the role of perirenal adipose tissue (PRAT) as a marker of both chronic kidney disease (CKD) and cardiovascular disease (CVD). The issue is of interest, considering the risk of CVD associated with CKD, and the finding that PRAT might be the link between both conditions. I have only a few issues that deserve an answer. 1. PRAT may be regarded as part of lipotoxicity, i.e., the deposition of fat in non-adipose tissue sites in the presence of excess fat turnover. The authors propose a series of possible pathogenic mechanisms linking PRAT with CKD, as expressed in the figure, but I would like a larger discussion on point 2-4, i.e., the action of FFA, inflammatory adipokines and insulin resistance. Contrary to liver fat – a classical example of lipotoxicity – where fat enters the parenchymal cells, PRAT remains external to parenchymal cells. The possibility of a paracrine action was so far documented only in experimental animals (see, Li et al, Hypertension, 2016), and the independent correlation with CKD is vague. The association with insulin resistance is also more dependent on visceral fat as a whole than with PRAT. 2. The association of CKD and CVD is also driven by micro-macrovascular disease involving both the CV system and the kidney. I am not sure that PRAT may have any additional role. 3. A few more data on the methodology of PRAT measurement by ultrasonography is important to increase the interest towards this easy-accessible site of lipotoxicity. We need to have data on reproducibility of measurement, as derived from the literature. 4. The authors claim that PRAT might be a therapeutic target against obesity-related disease. They conclude that PRAT might be tackled by balanced diet, intermittent exercise, other therapeutic interventions. What is the difference between tackling PRAT and tackling any type of body fat? 5. Ref. 73 should read “Ricci et al”



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
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INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
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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: 53651

Title: Novel insight into perirenal adipose tissue: A neglected adipose depot linking cardiovascular and chronic kidney disease

Reviewer's code: 00058441

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Research Scientist

Reviewer's country: Taiwan

Author's country: China

Manuscript submission date: 2019-12-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2019-12-29 11:53

Reviewer performed review: 2020-01-07 09:27

Review time: 8 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 checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" 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 checked="" type="checkbox"/> Minor revision	topic of the manuscript:
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		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
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			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

This review focused on the relationships between perirenal adipose tissue (PART) and CKD and CVD. In addition, authors further summarised potential mechanism of actions. I think this manuscript is informative. However, if authors can provide a paragraph which is discussed about the effects of current therapeutics which are used to treat CKD and CVD on PART, the manuscript will become even more attractive for the readers in the field of drug development.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

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