

## PEER-REVIEW REPORT

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

**Manuscript NO:** 47944

**Title:** Exploration of the shared pathophysiological mechanisms of gestational diabetes and large for gestational age offspring

**Reviewer's code:** 04351557

**Reviewer's country:** Italy

**Science editor:** Ying Dou

**Reviewer accepted review:** 2019-04-15 09:38

**Reviewer performed review:** 2019-04-17 14:06

**Review time:** 2 Days and 4 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 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

In this review article, Dr Nahavandi and colleagues discussed on the existing nutritional guidelines for gestational diabetes in light of the pathophysiological mechanisms of gestational diabetes and LGA offspring. The topic is current, and overall the manuscript

is well written and presented. I have the following comments: - Methods: details about the selection of studies (sources, eligibility criteria etc.) have not been reported; - The authors did not discuss the different forms of gestational diabetes, and their potential implications on outcomes and possible interventions. This topic should be included in the manuscript; - It could be interesting if the authors could mention recent studies on metabolomics, which highlighted specific metabolic changes and could be helpful to find out biomarkers and new targets of nutritional interventions. - The authors mentioned two guidelines available for dietary recommendations in GDM (reffs. 35 and 36). However, a recent systematic review and meta-analysis has been published and should be mentioned (Diabetes Care 2018 Jul; 41(7): 1346-1361): the authors showed that modified dietary interventions favorably influenced outcomes related to maternal glycemia and birth weight, but there is still room for improvement.

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

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

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

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

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