

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 54124

Title: miR-148b, miR-223, miR-130a, and miR-19a diagnostic model for detection of type 2 diabetes

Reviewer's code: 03660146

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Senior Lecturer

Reviewer's Country/Territory: Greece

Author's Country/Territory: China

Manuscript submission date: 2020-02-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-02-24 10:20

Reviewer performed review: 2020-03-10 11:31

Review time: 15 Days and 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 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:
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:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The clinical diagnosis of diabetes should be made based on venous plasma glucose levels and not the results of a capillary blood glucose test. A diagnosis based on etiological evidence is performed. The triglyceride level, total cholesterol level, apolipoprotein level, creatinine level, a lack of physical activity, diet, smoking, a high waist-to-hip ratio, high blood pressure and genetic risk factors have been demonstrated to be related to the development of T2DM; however, the biomarkers among these factors are usually detected during metabolic imbalance and cannot be used to assess T2DM susceptibility. With the rapid development of molecular detection methods, SNPs, DNA methylation, miRNAs, mRNAs, proteomes, metabolomes, and exosomes have been demonstrated to be potential biomarkers for various cancers. Abnormal expression of miRNAs is related to the occurrence and development of many diseases, such as cancer and T2DM. miR-184, miR-182-5p and miR-127-3p are involved in insulin biosynthesis and secretion, And miR-125, miR-29, miR-103/107, and miR-15a are involved in insulin resistance. In this observational study, the authors detected miR-148b, miR-223, miR-130a, and miR-19a levels in the sera of healthy controls, individuals with IGR and T2DM patients. Overall, this study is well designed, the results are very interesting. I have some minor comments: 1. The manuscript requires a minor language editing. Some minor spelling mistakes should be revised. 2. The abstract should be re-write according to the journal's guideline. 3. The serum collection and real-time PCR detection are very clear. Statistical methods are reasonable. 4. Discussion is good. No further comments.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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☐ Plagiarism

☐ Y No

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☐ Plagiarism

☐ Y No

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 54124

Title: miR-148b, miR-223, miR-130a, and miR-19a diagnostic model for detection of type 2 diabetes

Reviewer's code: 03645030

Position: Peer Reviewer

Academic degree: FACC, MD, PhD

Professional title: Associate Professor, Research Associate

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2020-02-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-02-25 03:33

Reviewer performed review: 2020-03-14 02:39

Review time: 17 Days and 23 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 checked="" type="checkbox"/> Minor revision	topic of the manuscript:
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:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Sorry for the delay of reviewing. This manuscript about the diagnostic model for the early detection of type 2 diabetes. This study is very well written. I have some minor comments: 1. Abstract should be edited accordingly, BACKGROUND, AIM, METHODS, RESULTS, CONCLUSION. 2. In the introduction, some sentence should add the references, e.g. "Currently, the most common diagnostic criteria and classification criteria for T2DM in China are fasting plasma glucose level and 2-hour glucose level after a 75 g glucose load, which were recommend in guidelines from the WHO in 1999.". Please check and make a revision. 3. Manuscript requires a minor editing.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

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- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 54124

Title: miR-148b, miR-223, miR-130a, and miR-19a diagnostic model for detection of type 2 diabetes

Reviewer's code: 03660347

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Professor

Reviewer's Country/Territory: Finland

Author's Country/Territory: China

Manuscript submission date: 2020-02-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-02-24 10:21

Reviewer performed review: 2020-03-14 02:42

Review time: 18 Days and 16 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 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
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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:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Interesting study of diagnostic model for the early detection of T2DM. The manuscript is well written. I suggest publishing this manuscript as it is. THANK YOU.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

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

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 54124

Title: miR-148b, miR-223, miR-130a, and miR-19a diagnostic model for detection of type 2 diabetes

Reviewer's code: 03645030

Position: Peer Reviewer

Academic degree: FACC, MD, PhD

Professional title: Associate Professor, Research Associate

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2020-02-24

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2020-04-08 01:57

Reviewer performed review: 2020-04-08 01:58

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 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 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



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SPECIFIC COMMENTS TO AUTHORS

The revised manuscript is acceptable.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

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