



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 45305

Title: Association between ventricular repolarization variables and cardiac diastolic function: A cross-sectional study of a healthy Chinese population

Reviewer’s code: 03702209

Reviewer’s country: Greece

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-02-10 10:46

Reviewer performed review: 2019-02-16 08:17

Review time: 5 Days and 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 polishing	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input checked="" type="checkbox"/> Accept	<input checked="" type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	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 Grade E: Do not publish	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"/> Minor revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is a very interesting and well designed study aiming was to assess the relationship between ventricular repolarization variables, such as the QT interval, Tpe interval and Tpe/QT ratio, and diastolic function in an apparently healthy Chinese population and



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determine whether measuring repolarization variables may provide information valuable for predicting cardiac diastolic function in healthy people. The most important findings of the present study are the associations between ventricular repolarization variables and cardiac diastolic function in a population of healthy adults. These relationships remained significant even after correction for other potential confounders. The authors found an independent linear association between the QTc interval and echocardiographic diastolic parameters. Moreover, this study also demonstrates that moderate levels of QTc exert a protective effect on diastolic dysfunction in healthy men. Their findings add to the growing literature supporting the notion that electromechanical coupling of dispersion of repolarization is a potential mechanism of diastolic dysfunction. The findings provide evidence showing that ventricular repolarization parameters may be used as markers of asymptomatic mild diastolic dysfunction. This asymptomatic phase represents a potential time to intervene and thereby prevent symptomatic heart failure. The messages are clear, the statistical analysis has been concise and I suggest that the paper is suitable for publication in its current form. Yours sincerely

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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BPG Search:

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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 45305

Title: Association between ventricular repolarization variables and cardiac diastolic function: A cross-sectional study of a healthy Chinese population

Reviewer’s code: 03846820

Reviewer’s country: Netherlands

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-02-20 07:40

Reviewer performed review: 2019-02-20 20:33

Review time: 12 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 type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input checked="" 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 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

Dear author, The paper represents results of the observational study (N=414) which is aiming to examine the association between ventricular repolarization variables and cardiac diastolic function in apparently healthy Chinese individuals. The article is



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written with the good English-speaking adduction of the arguments. The article is sufficiently novel and very interesting to warrant publication. All the key elements are presented and described clearly. The most discussable options in the article are: 1) Would you please kindly to underline the novelty of your paper and briefly descibe any accomplishments in the feild first of all with a focus on the associations between QT interval and diastolic function. Please, mention and evaluate with the elaborated discussion the achievements of Belardinelli, 2009, Wilcox, 2011, Khan, 2016, etc. 2) Please, mention is that a sort of the expert analysis? How it was checked out? 3) There must be a justification of your sample size with the provided sample size calculation. You have another way over there with any assessment of the statistical power. 4) Correct all your typos throughout the maunscript including the blanks. 5) There must be a future perspective at the end of the paper or correctly of your Discussion. 6) At least a few plots is required to upgrade statistically the paper making it more valuable.

INITIAL REVIEW OF THE MANUSCRIPT

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- No

BPG Search:

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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 45305

Title: Association between ventricular repolarization variables and cardiac diastolic function: A cross-sectional study of a healthy Chinese population

Reviewer’s code: 03722832

Reviewer’s country: India

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-02-20 14:48

Reviewer performed review: 2019-02-22 17:11

Review time: 2 Days and 2 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 type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input checked="" type="checkbox"/> Onymous
<input checked="" 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

Similarity index of your submission is 50% ,Please improve

INITIAL REVIEW OF THE MANUSCRIPT



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Google Search:

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- Plagiarism
- [Y] No

BPG Search:

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- Plagiarism
- [Y] No