

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 51132

**Title:** Value of ElastPQ elastography in improving the diagnostic accuracy of early diabetic kidney disease (DKD)

**Reviewer's code:** 03027328

**Position:** Peer Reviewer

**Academic degree:** FACG, MBChB, MD

**Professional title:** Professor, Research Fellow, Senior Scientist

**Reviewer's country:** United States

**Author's country:** China

**Reviewer chosen by:** Artificial Intelligence Technique

**Reviewer accepted review:** 2019-09-05 10:38

**Reviewer performed review:** 2019-09-20 08:01

**Review time:** 14 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:
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



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This is an interesting study about the value of ElastPQ elastography in improving the diagnostic accuracy of early diabetic kidney disease. The study is well designed and the manuscript is very well written. In this study, the authors explored the value of ElastPQ in improving the accuracy of early diabetic kidney disease diagnosis. The baseline data, laboratory diagnostic indicators, and ultrasound indicators for each patient were recorded. The differences of the indicators in the three groups were compared. Multivariate logistic regression was used to analyze the influencing factors of the development from simple diabetes into early diabetic kidney disease, and from early diabetic kidney disease into medium early diabetic kidney disease. The results are interesting. Tables and figures are good. The references requires an update and some minor language polishing should be corrected.

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

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

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

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

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

## PEER-REVIEW REPORT

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**Manuscript NO:** 51132

**Title:** Value of ElastPQ elastography in improving the diagnostic accuracy of early diabetic kidney disease (DKD)

**Reviewer's code:** 02953109

**Position:** Peer Reviewer

**Academic degree:** FCAHS, FRCS (Gen Surg), PhD

**Professional title:** Associate Professor, Research Scientist, Senior Lecturer

**Reviewer's country:** United States

**Author's country:** China

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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
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The changes of renal elasticity in patients with early DKD are not obvious although ultrasound elastography can detect differences in patients with advanced DKD. The elastography point quantification (ElastPQ) used in this study is a new shear wave elastography technique that can detect the Young's Modulus of the region of interest. In this study, the ElastPQ technique is used to measure the changes of renal hardness in patients with different stages of DKD, and the improvement in the accuracy for diagnosing early DKD is analyzed after combining ElastPQ with UAER. Well designed study with interesting results. Are there any follow up data? If so, please add and discuss it. And a minor language editing is required.

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

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