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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 51133

Title: Value of early diagnosis of sepsis complicated with acute kidney injury by renal contrast-enhanced ultrasound

Reviewer's code: 02854851

Position: Peer Reviewer

Academic degree: FACG, MD, PhD

Professional title: Associate Professor, Lecturer, Research Scientist

Reviewer's country: Japan

Author's country: China

Reviewer chosen by: Artificial Intelligence Technique

Reviewer accepted review: 2019-09-06 04:19

Reviewer performed review: 2019-10-03 13:54

Review time: 27 Days and 9 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input checked="" 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 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

This is an interesting study about the value of CEUS, serum creatinine and other indicators in the early diagnosis of septic acute kidney injury. At present, acute kidney injury related clinical guidelines use urine volume and serum creatinine as the diagnosis criteria. The urine volume is easily affected by some factors such as diuretic and rehydration status, so the increase of Scr level becomes the main criterion. CEUS can display the tissues microcirculation and has the characteristics of convenient operation and no nephrotoxicity. Animal experiments have revealed that CEUS can detect changes in renal cortical microcirculation in early ischemia/reperfusion injury, suggesting the possibility of acute kidney injury, but its role in acute kidney injury assessment and diagnosis has not been clinically confirmed. In this study, the authors investigated the diagnostic value for septic acute kidney injury. Overall, the study is well designed and the results are very interesting. The inclusion criteria is very clear and reasonable. The patients group is good. The analysis of potential indicators for the diagnosis of septic acute kidney injury is very well. Comments: 1. The discussion is a little long, I suggest to shorten it. 2. There is some minor language polishing, which should be corrected. 3. The references is updated, but requires an editing.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

- ☐ The same title



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[] Duplicate publication

[] Plagiarism

[Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 51133

Title: Value of early diagnosis of sepsis complicated with acute kidney injury by renal contrast-enhanced ultrasound

Reviewer's code: 02856261

Position: Peer Reviewer

Academic degree: FIAC, MD, PhD

Professional title: Professor, Research Scientist

Reviewer's country: South Korea

Author's country: China

Reviewer chosen by: Artificial Intelligence Technique

Reviewer accepted review: 2019-09-06 04:19

Reviewer performed review: 2019-10-03 14:01

Review time: 27 Days and 9 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



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Very interesting study about the diagnosis of septic AKI by CEUS. The study design is reasonable, and the results are good. The data in the tables are informative. A minor editing is required. And please check the number of the figures. There are two figure 2, the second figure 2 should be figure 3.

INITIAL REVIEW OF THE MANUSCRIPT

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- ☐ No