



PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 83454

Title: Incidence and peri-operative risk factors for development of acute kidney injury in patients after cardiac surgery: a prospective observational study.

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05322345

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Croatia

Author's Country/Territory: Greece

Manuscript submission date: 2023-02-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-02-09 08:36

Reviewer performed review: 2023-02-09 09:01

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This study entitled “Incidence and peri-operative risk factors for development of acute kidney injury in patients after cardiac surgery” seems to have been generally well executed and written. Furthermore, I believe that this work will be of great interest to the readers. Finally, I have a several remarks that require authors attention. Title Please add the type of the study in your title. Introduction Usually, first it goes the aim than the hypothesis of the study. Materials and Methods Please state in this section what types of cardiac surgery were included in your study. Based on Table 1, I could see that you included all types of cardiac surgery, including heart transplant in your research. Did you include heart-beating surgery, or the all procedures involved CPB. This must be stated in the text. Statistical analysis Please state what method of multivariate logistic regression (Forward, Enter,...) you have performed. Results Clinical characteristics In the first sentence please add the time period when the study was conducted. Discussion Limitations The major limitation of your work is that you have investigated the association of different cardiac surgical procedures and occurrence of ACI, which makes your sample size even more underpowered. This must be stated.



PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 83454

Title: Incidence and peri-operative risk factors for development of acute kidney injury in patients after cardiac surgery: a prospective observational study.

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03850246

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Doctor, Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: Greece

Manuscript submission date: 2023-02-08

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-03-01 10:52

Reviewer performed review: 2023-03-01 11:02

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Patients undergoing cardiac surgery develop AKI immediately post-operation during ICU admission. Authors hypothesized that AKI occurs mainly due to peri-operative risk factors and may affect outcome. Patients undergoing cardiac surgery develop acute kidney injury (AKI) immediately post-operation during ICU admission. We hypothesized that AKI occurs mainly due to peri-operative risk factors and may affect outcome. Conclusions are that patients undergoing cardiac surgery develop acute kidney injury (AKI) immediately post-operation during ICU admission. The paper is focused on a relevant topic. The manuscript is clear and presented in a well structured manner. The study is well designed. Materials and methods are described in detail. Results are reported clearly and appropriate. Would recommend to discuss further the role of AKI and to use the context of transplant where has been fully studied. Please quote as follows: Histopathology and Long-Term Outcome of Kidneys Transplanted From Donors With Severe Acute Kidney Injury. Prog Transplant. 2019 Mar;29(1):36-42. doi: 10.1177/1526924818817054. Epub 2018 Dec 13. PMID: 30832558