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PEER-REVIEW REPORT

Name of journal: World Journal of Experimental Medicine

Manuscript NO: 66940

Title: Emerging role of cell free DNA in kidney transplantation

Reviewer's code: 03793940
Position: Editorial Board
Academic degree: MD, PhD

Professional title: Director, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: United States

Manuscript submission date: 2021-04-09

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-19 00:28

Reviewer performed review: 2021-04-19 02:39

Review time: 2 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [ ] Grade B: Minor language polishing [Y] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

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SPECIFIC COMMENTS TO AUTHORS

This manuscript reviewed the recent advance about using cfDNA as biomarkers for monitoring kidney transplant rejection. The value of the manuscript was apparent. The authors should pay attention on the following points. 1. The manuscript needed revision on grammar mistakes e.g. "Monitoring of kidney transplant for rejection conventionally include……" should be "Monitoring of kidney transplant for rejection conventionally includes……" . 2. Transplantation rejections can be classified as host versus graft reaction and graft versus host reaction. Whether the use of dd-cfDNA was different between the two kinds of reactions? 3. cfDNA can be released by intact organs. cfDNA is synthesized by intact organs. Acute rejection might destroy the transplants. This might cause the over releasing of dd-cfDNA. It might also cause the dysfunction of cfDNA synthesis and in turn the limited releasing of dd-cfDNA. The authors should add some words on how to deal with the paradox.