

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 86278

Title: Clinical value of chemiluminescence method for detection of antinuclear antibody profiles

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06540811

Position: Peer Reviewer

Academic degree: MD

Professional title: Associate Professor

Reviewer's Country/Territory: Spain

Author's Country/Territory: China

Manuscript submission date: 2023-07-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-07-10 08:10

Reviewer performed review: 2023-07-22 22:22

Review time: 12 Days and 14 Hours

Scientific quality	☐ Grade A: Excellent ☐ Grade B: Very good ☒ Grade C: Good ☐ Grade D: Fair ☐ Grade E: Do not publish
Novelty of this manuscript	☐ Grade A: Excellent ☒ Grade B: Good ☐ Grade C: Fair ☐ Grade D: No novelty
Creativity or innovation of this manuscript	☐ Grade A: Excellent ☒ Grade B: Good ☐ Grade C: Fair ☐ Grade D: No creativity or innovation

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

SPECIFIC COMMENTS TO AUTHORS

In patients with suspected autoimmune disease, line immunoassay allows for the rapid detection of disease autoantibodies and plays a pivotal role in the clinical differentiation of the different autoimmune diseases. Nonetheless, only individual positive autoantibodies need to be tested in patients with a confirmed diagnosis, where the use of line immunoassay might result in a substantial waste of the medical resources. Chemiluminescence assay is one of the most widely used immunodiagnostic techniques in the clinical practice currently. In this study, the authors performed to evaluate the clinical value of chemiluminescence assay for the detection of ana profiles. The study is well performed and the results are interesting. Comments: 1. The manuscript requires a minor editing. The "Aim" section in the abstract should be re-write. Please only keep the aim in this section. 2. Please check the abbreviations in the manuscript, such as the last sentence in the Introduction, the "CLA" should be CLIA.

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Title: Clinical value of chemiluminescence method for detection of antinuclear antibody profiles

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06540686

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2023-07-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-07-11 08:02

Reviewer performed review: 2023-07-23 22:12

Review time: 12 Days and 14 Hours

Scientific quality	☐ Grade A: Excellent ☐ Grade B: Very good ☒ Grade C: Good ☐ Grade D: Fair ☐ Grade E: Do not publish
Novelty of this manuscript	☐ Grade A: Excellent ☒ Grade B: Good ☐ Grade C: Fair ☐ Grade D: No novelty
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Conclusion	☐ Accept (High priority) ☒ Accept (General priority) ☐ Minor revision ☐ Major revision ☐ Rejection
Re-review	☐ Yes ☒ No
Peer-reviewer statements	Peer-Review: ☒ Anonymous ☐ Onymous
	Conflicts-of-Interest: ☐ Yes ☒ No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting study of the clinical value of chemiluminescence method for detection of antinuclear antibody profiles. The findings in this study are will displayed, and discussed. However, the limit of the study should be discussed. After that, this study can be accepted for publication.

Reviewer #1:

Specific Comments to Authors: This is an interesting study of the clinical value of chemiluminescence method for detection of antinuclear antibody profiles. The findings in this study are will displayed, and discussed. However, the limit of the study should be discussed. After that, this study can be accepted for publication.

Thank you very much for your review comments. We have added the limitations of the discussion section to the manuscript. Wishing you a happy life!

Reviewer #2:

Specific Comments to Authors: In patients with suspected autoimmune disease, line



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immunoassay allows for the rapid detection of disease autoantibodies and plays a pivotal role in the clinical differentiation of the different autoimmune diseases. Nonetheless, only individual positive autoantibodies need to be tested in patients with a confirmed diagnosis, where the use of line immunoassay might result in a substantial waste of the medical resources. Chemiluminescence assay is one of the most widely used immunodiagnostic techniques in the clinical practice currently. In this study, the authors performed to evaluate the clinical value of chemiluminescence assay for the detection of ana profiles. The study is well performed and the results are interesting. Comments: 1. The manuscript requires a minor editing. The “Aim” section in the abstract should be re-write. Please only keep the aim in this section. 2. Please check the abbreviations in the manuscript, such as the last sentence in the Introduction, the “CLA” should be CLIA.

We have revised the 'Objectives' section according to the suggestions. Thank you for discovering the error. Corrections have been made to 'CLA' to 'CLIA'.