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OPEN PEER REVIEW

Investigating Neutrophil-to-Lymphocyte Ratio and Risk Factors for Hemorrhagic Transformation Following Thrombolytic Therapy: Insights from a Cross-Sectional Study

Nina Farzan, Amir Khanmirzaei, Marzieh Ghodrati, Haniye Mahmodi, Gelareh Azarinoush

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About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

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1 Original submission

3 comments · 27 Jul 2024 – 17 Oct 2024

Seyyed Ahmad Hosseinzadeh Reviewer

ACCEPT 27 Jul 2024

The article submitted with identification number 150665 was reviewed and evaluated. The review results show that the article has a proper structure and appropriately presents concepts and definitions related to its topic. The sample size and distribution of patients by gender are relatively appropriate. Data collection, statistical analysis, and the results obtained were also standard and acceptable. The discussion section also provides extensive explanations and a comparative review of a significant number of similar articles. Based on these points, there are no impediments to publishing this article in the relevant specialized journal.

Associate Editor

MAJOR REVISION 17 Oct 2024

Dear EIC,
Thanks and appreciation to the authors and researchers. This study aimed to identify factors influencing hemorrhagic transformation in patients diagnosed with acute ischemic stroke receiving recombinant tissue plasminogen activator (r-TPA) therapy.
The manuscript is a valuable piece of research. But some revisions are needed. The authors should revise it based on the comments.
Moreover, the authors should try to improve the quality of academic writing in the manuscript with the help of a native English writer or a person proficient in academic English.
Also, minor changes should be made in the abstract:
1- A summary of the statistical analysis results should be mentioned in the results section.
2- The introduction of the article does not match the title. Thus, it should be changed.

Editor-in-Chief

MAJOR REVISION 17 Oct 2024

Dear Author,
Thank you for submitting the article. It needs some revision. Please revise it based on the reviewers' and AE's comments.

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Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Reviewer 1:
The article sent with identification number 150665 was reviewed and judged. The refereeing results of the mentioned article show the existence of the correct written structure and the appropriate presentation of concepts and definitions related to the topic of the article. The volume of samples and distribution of patients based on gender is relatively appropriate. Data collection and statistical analysis and the results obtained were also standard and acceptable. The explanations provided in the discussion section of the article have also been done extensively and with a comparative review of a significant number of similar articles. According to the mentioned cases, the publication of this article in the relevant specialized journal is unimpeded and unobstructed.

Reviewer 2:
NA

Associate Editor 1:
Dear EIC,
Thanks to the authors and appreciation to the researchers. This study aimed to identify factors influencing hemorrhagic transformation in patients diagnosed with acute ischemic stroke acute receiving recombinant tissue plasminogen activator (r-TPA) therapy.
The manuscript is a valuable research. But some revisions are needed. Authors should revise it based on comments.
Moreover, Authors should try to improve the quality of academic writing in your manuscript by a native-writer or a person proficient in Academic English!!!!
Also minor changes should be done in abstract:
1- Summary of Statistical analysis results should be mention in result section.
2-The introduction of the article does not match the title. Thus it should be changed.

Answer: We have addressed each of the suggested revisions as follows:

1. **Academic Writing Quality:** We have thoroughly revised the manuscript to enhance the quality of academic writing. Additionally, we sought assistance from a proficient academic writer to ensure clarity, coherence, and precision.
2. **Abstract:** The results section of the abstract now includes a summary of the statistical analysis outcomes, providing a more concise and informative overview.
3. **Introduction:** We have modified the introduction to align it more closely with the manuscript's title, offering a clearer context for the study's focus on factors influencing haemorrhagic transformation in acute ischemic stroke patients receiving rTPA therapy.

Thank you once again for your guidance and support. We trust that these revisions have strengthened our manuscript, and we look forward to your further feedback.

2 Revision 1

3 comments · 20 Nov 2024 – 23 Nov 2024

MohamadReza Aghanoori Reviewer

MINOR REVISION 20 Nov 2024

There are some points to be considered before publication.
1- The manuscript needs another round of editing for spelling, grammatical, and technical errors. For example, when you first introduce a term and use the acronym in the text, you should avoid using the long form of the phrase/term in subsequent parts or reintroducing the term. One example is AIS.
2- The title of the manuscript is not informative and is kind of vague. The authors need to ensure that the findings are directly reflected in the title. As an example, use "Neutrophil-to-lymphocyte ratio can predict hemorrhagic transformation in stroke patients receiving recombinant tissue plasminogen activator therapy" or a more conclusive title that makes the content even clearer.
3- Please make sure to clearly mention in the methods section that a consent form was obtained from the patients or that the study was approved by the ethics committee.

Associate Editor

MINOR REVISION 21 Nov 2024

Dear Editor-in-Chief,

I wish to express my appreciation to the authors for their efforts and commend the researchers for their valuable manuscript. Nevertheless, there is a need for revisions, and I encourage the authors to review and address the comments provided in order to enhance the quality of the manuscript.

Editor-in-Chief

MINOR REVISION 23 Nov 2024

Dear Author,
Your manuscript still needs some revision. Please revise it based on the reviewers' and AE's comments.

3

Revision 2

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Reviewer Comment 1:
The manuscript needs another round of editing for spelling, grammatical, and technical errors. For example, when you first introduce a term and use the acronym in the text, you should avoid using the long format of the phrase/term in subsequent parts or reintroducing the term. One example is AIS.

Response:
Thank you for pointing this out. We have carefully reviewed the manuscript and made the necessary edits to correct spelling, grammatical, and technical errors. Specifically, we have ensured that terms and their acronyms are introduced properly and used consistently throughout the text.

Reviewer Comment 2:
The title of the manuscript is not informative and is kind of vague. The authors need to address the findings directly reflected in the title. As an example, use "Neutrophil-to-lymphocyte ratio can predict hemorrhagic transformation in stroke patients receiving recombinant tissue plasminogen activator therapy" or a more conclusive one that is even clearer about the content.

Response:
Thank you for your valuable suggestion. We agree that the title should directly reflect the findings and improve clarity for readers. We have revised the title to better capture the main findings of the study. The new title is: *" Investigating Neutrophil-to-Lymphocyte Ratio and Risk Factors for Hemorrhagic Transformation Following Thrombolytic Therapy: Insights from a Cross-Sectional Study"* This revised title emphasizes the central focus of the study and aligns with your recommendation for greater specificity.

Reviewer Comment 3:
Please make sure to clearly mention that consent was obtained from patients in the methods section or that the study was approved by the ethics committee.

Response:
Thank you for bringing this to our attention. We have updated the Methods section to explicitly state that ethical approval was obtained from the relevant committee, and that informed consent was acquired from all participants or their legal guardians where applicable.

3 Revision 2

2 comments · 3 Dec 2024 – 3 Dec 2024

Associate Editor

ACCEPT 3 Dec 2024

Dear EIC,
I read the manuscript, and the authors corrected the requested items. The article could be accepted at this stage.
Sincerely;

Editor-in-Chief

REJECT 3 Dec 2024

Dear Author,
Unfortunately, your manuscript has not been selected for publication in this journal.