Review Form 1.6

Journal Name:	**Journal of Advances in Medicine and Medical Research**
Manuscript Number:	**Ms_JAMMR_90544**
Title of the Manuscript:	**Risk Factors and Mechanism of Hemorrhagic Transformation of Acute Ischemic Cerebral Infarction**
Type of the Article	**Review Article**

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(https://www.journaljammr.com/index.php/JAMMR/editorial-policy)

PART 1: Review Comments

Reviewer's comment	The authors present an useful updated and integrative review of the role of risk factors, mechanism and prognosis of hemorrhagic transformation (HT) after acute ischemic stroke. They analyzed eight original studies written in English within the past 10 years and highlighted that hemorrhagic transformation increases the morbidity and the mortality of patients who have an ischemic stroke. The study is potentially interesting, but can be improved if the following considerations are addressed	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Compulsory REVISION comments	1. Acute cerebral infarction may also be the presenting manifestation of hematologic diseases. This is another clinical scenario with a high risk of hemorrhagic transformation. This is a noteworthy clinical aspect that should also be emphasized in the Introduction (see and add this reference: Expert Rev Hematol 2016; 9: 891-901). 2. It would be interesting to add in the Discussion that the HT is excepcionally rare in acute lacunar ischemic strokes because the pathophysiology, prognosis and clinical features of acute small vessel ischemic strokes are different from other types of cerebral infarcts (see and add this recent reference: Int J Mol Sci 2022; 23, 1497).	
Minor REVISION comments	1. Please, rewrite the bibliographic references according to the **JAMMR** instructions.	
Optional/General comments	The authors present an useful updated and integrative review on the role of clinical features related to hemorrhagic transformation in acute ischemic stroke. In my opinion, the suggested minor points would contribute to improve the quality of the article refered to this neurologic topic before a final decision for publication in the Journal will be made.	

PART 2:

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**A Arboix**
Department, University & Country	**University of Barcelona, Spain**