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REVIEWER'S REPORT

Manuscript No.: IJAR-59595

Title: Cryptogenic Ischemic Stroke in a Young Adult Associated with MTHFR Gene Polymorphisms: A Case Report.

Recommendation:
Accept as it is □□□□..
Accept after minor revision□√□□
Accept after major revision □□□□□
Do not accept (*Reasons below*) □□□

Rating	Excel.	Good	Fair	Poor
Originality		√		
Techn. Quality		√		
Clarity		√		
Significance		√		

Reviewer ID: JP085

Reviewer's Comment for Publication.

This article describes a 23-year-old man who suffered an ischemic stroke. The medical tests did not identify a clear cause of the stroke. Genetic testing showed a change in the MTHFR gene called A1298C, and the patient's homocysteine level was elevated. However, the study does not prove that this genetic change caused the stroke. The article highlights the importance of proper investigation of stroke in young adults.

Strength:

1. The article discusses an important medical problem in young adults.
2. The patient's symptoms and brain imaging findings are described.
3. Different investigations were performed to identify the cause of the stroke.
4. The authors explain that the MTHFR gene change may not be the direct cause of the stroke.
5. The article discusses the possible role of homocysteine levels.
6. The authors mention the limitations of the case report.
7. Patient consent for publication is reported.

Weakness:

1. The exact homocysteine level is not provided.
2. Results for vitamin B12, folate, and kidney function are missing.
3. The patient's follow-up details are not clearly described.
4. The treatment given to the patient is not explained in sufficient detail.
5. The relationship between the MTHFR gene change and stroke remains uncertain.
6. Some clinical investigation details need further explanation.
7. There are minor formatting and reference-list errors

Overall assessment:

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The article presents an interesting case of stroke in a young adult. It provides useful information about the patient's symptoms, investigations, and genetic findings. However, some important laboratory results, treatment details, and follow-up information are missing. The authors should improve these sections and explain the genetic findings carefully. The article should not suggest that the MTHFR gene change directly caused the stroke without sufficient evidence..

Recommendation: Manuscript accepted for publication after minor revision.