

## REVIEWER'S REPORT

Manuscript No.: IJAR-55014

**Title: A Rare Case: Persistent Reverse End Diastolic Flow (PREDF) in Fetal Middle Cerebral Artery During Mid Trimester in Pregnant Patient with Cardiac disease, Preceding Poor Fetal Outcome**

### Recommendation:

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

| Rating         | Excel.    | Good | Fair | Poor |
|----------------|-----------|------|------|------|
| Originality    |           | Good |      |      |
| Techn. Quality | Excellent |      |      |      |
| Clarity        | Excellent |      |      |      |
| Significance   | Excellent |      |      |      |

Reviewer Name: Dr. sumathi

### *Detailed Reviewer's Report*

- Persistent reversed end diastolic flow is a rare and serious medical finding that can occur in a fetus, indicating poor fetal condition and a high risk of complications like intrauterine fetal death or neonatal death.**
- It signifies a severe problem with fetal circulation, often caused by increased intracranial pressure, severe anemia or extreme growth restriction.**
- While it can also be seen in the aorta due to a malfunction of heart valves or increased aortic stiffness, in a fetal context, it is a grave sign.**
- The middle cerebral artery is a major blood vessel that branches off the internal carotid artery and supplies blood to the lateral parts of the brain, including the temporal, parietal, and frontal lobes.**
- Hydrops fetalis is a serious, life threatening condition characterized by severe swelling in an unborn or newborn baby due to the abnormal accumulation of fluid in two or more fetal compartments.**

# **International Journal of Advanced Research**

**Publisher's Name: Jana Publication and Research LLP**

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- 6. The term last menstrual period refers to the first day of a persons last menstrual bleeding.**
- 7. It is most commonly used as a starting point to estimate a pregnancy due date, calculated as 40 weeks from the first day of the last menstrual period.**
- 8. Key words are good to understand.**
- 9. Pictures with tables are meaningful. Can be given graphs for tables.**
- 10. Summary points needed.**
- 11. References should be in alphabetical order.**
- 12. After a small corrections good to publish in your journal.**