

REVIEWER'S REPORT

Manuscript No.: IJAR-59333

Title: From PCOS to PMOS: A Critical Review of Terminology, Multisystem Pathology, and Clinical Implications

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		Good		
Significance	Excellent			

Reviewer's ID: Dr. Sumathi

Detailed Reviewer's Report

- 1. Polycystic ovary syndrome (PCOS), also recently termed polyendocrine metabolic ovarian syndrome (PMOS), is a common hormonal and metabolic disorder affecting 10% to 13% of women of reproductive age.**
- 2. Polycystic ovary syndrome (PCOS), recently updated in clinical terminology as polyendocrine metabolic ovarian syndrome (PMOS), is a chronic hormonal disorder that affects approximately 10% to 13% of women of reproductive age globally. It is characterized by an imbalance in reproductive hormones, particularly elevated levels of androgens ("male" hormones) and insulin resistance, which can disrupt ovulation and impact multiple systems across the body.**
- 3. Polyendocrine metabolic ovarian syndrome (PMOS), officially updated from polycystic ovary syndrome (PCOS) in 2026, is a common multisystem hormonal and metabolic disorder affecting approximately 1 in 8 women of reproductive age.**
- 4. Hyperinsulinemia refers to having a higher-than-normal amount of insulin circulating in the blood relative to glucose levels. While it is heavily intertwined with metabolic dysfunction, hyperinsulinemia on**

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its own is not diabetes. Instead, it most commonly serves as an early warning sign that the body is working overtime to manage blood sugar.

5. **Multisystem pathology is the study and clinical manifestation of diseases that simultaneously affect multiple organ systems rather than remaining localized to a single organ or tissue. Because these conditions do not fit neatly into traditional medical specialties, they require a holistic approach to address their complex, widespread effects.**
6. **Cardiometabolic risk (CMR) is the combined chance of developing cardiovascular diseases like heart attacks and metabolic issues like type 2 diabetes, caused by linked factors such as visceral belly fat, insulin resistance, and high blood pressure.**
7. **Psychological well-being is a multidimensional state of positive mental health that combines emotional happiness and pleasure (hedonia) with life meaning, personal growth, and optimal human functioning (eudaimonia)**
8. **Multidisciplinary management is an integrated healthcare strategy where a diverse group of medical, allied health, and social professionals collaborate to deliver comprehensive, person-centered treatment plans. Instead of a patient seeing isolated clinicians, a multidisciplinary team (MDT) works collectively to target complex health conditions from multiple angles.**
9. **Key words are impressive.**
10. **Significant points with flow chart are good.**
11. **For tables can be made graphs and included some relevant pictures.**
12. **Summary points also be added.**
13. **After those changes good to publish in your journal.**