

## REVIEWER'S REPORT

Manuscript No.: **IJAR-53504**

Date: 23-08-2025

**Title: “ Uterine Leiomyomata with Liver Metastasis: A Case Report**

### Recommendation:

**Accept as it is .....YES.....**

Accept after minor revision.....

Accept after major revision .....

Do not accept (*Reasons below*) .....

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

Reviewer Name: Dr Aamina

### Reviewer's Comment for Publication.

#### Introduction Evaluation:

The introduction provides a comprehensive overview of uterine leiomyomas, including their incidence, variants, and malignant transformation into leiomyosarcoma (LMS). It contextualizes the clinical spectrum by distinguishing benign leiomyomas, borderline variants such as STUMP, and malignant counterparts like LMS. Epidemiological data regarding incidence and age distribution is clearly presented, alongside diagnostic criteria involving imaging modalities and histopathology. The section effectively situates the rarity and clinical importance of the presented case within existing literature on uterine sarcomas.

#### Case Presentation Evaluation:

The case presentation is detailed and systematically narrated. The patient profile—a young, nulliparous woman in her late thirties—is clearly introduced, with attention to presenting complaints such as heavy menstrual bleeding, abdominal pain, and a palpable mass. Clinical examination findings, including ECOG performance status, hemoglobin status, and abdominal as well as pelvic examination features, are precisely documented.

The diagnostic workup is described in depth. Ultrasound findings indicate a bulky uterus with fibroid, while contrast-enhanced CT scan demonstrates an enlarged anteverted uterus with a heterogeneous posterior myometrial lesion, a smaller fundal lesion, and mass effect on adjacent bowel loops. The report also notes multiple hypodense lesions in the liver, raising suspicion of metastatic spread. The documentation of lesion sizes, anatomical relationships, and radiological characteristics enhances diagnostic clarity and clinical relevance.

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### **Clinical and Academic Value:**

The rarity of leiomyoma with liver metastasis is underscored, as leiomyosarcomas typically represent a minority of uterine malignancies yet account for significant morbidity due to their aggressive nature. This case illustrates the diagnostic challenges in distinguishing between benign leiomyomata and malignant transformation, particularly when extrauterine spread is present. The integration of clinical, radiological, and pathological perspectives demonstrates the multidisciplinary nature of diagnosis and management in such cases.

### **Overall Assessment:**

The manuscript provides a well-documented and clinically relevant case report of uterine leiomyoma with liver metastasis. The structured introduction and comprehensive case description highlight the significance of early suspicion, clinical evaluation, and imaging findings in rare but critical presentations. The case contributes valuable insights to the clinical literature on uterine sarcomas and metastatic patterns.