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REVIEWER'S REPORT

Manuscript No.: IJAR-57744

Title: Giant Liposarcoma of the Thigh in an Elderly Female: A Case Report,

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revisionx.....

Do not accept (*Reasons below*)

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

Reviewer's ID: JPR-142

Detailed Reviewer's Report

The manuscript presents a clinically relevant and rare case of giant well-differentiated liposarcoma of the thigh in an elderly female patient. The topic is suitable for a surgical/oncological case-report journal because giant extremity liposarcomas exceeding 5 kg are uncommon. The manuscript is structured appropriately and contains useful clinical, radiological, surgical, and histopathological information. However, several important scientific, methodological, formatting, and language-related concerns need to be addressed before publication.

Major Comments

1. Novelty and Scientific Contribution Need Stronger Justification

The manuscript states that giant liposarcomas exceeding 5 kg are rare, but the novelty of the present case is not adequately highlighted. Authors should clearly explain:

What makes this case unique compared to previously published giant thigh liposarcomas.

Whether the tumour size, duration, age, surgical approach, or postoperative outcome differs significantly from existing literature.

Include a short comparative literature table summarizing previously reported giant thigh liposarcoma cases.

This will significantly improve the scientific impact of the report.

2. Histopathological Details Are Inadequate

The histopathological section is too brief. Since diagnosis confirmation is central to a case report, authors should expand:

- Microscopic morphology
- Presence/absence of atypia
- Lipoblast identification
- Mitotic activity
- Necrosis

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Tumour grade
FNCLCC grading if applicable

The authors mention that MDM2/CDK4 immunohistochemistry was not performed due to resource limitations. While understandable, this limitation should be emphasized more carefully because these markers are important for differentiating benign lipoma from well-differentiated liposarcoma.

3. Imaging Findings Need More Detail

MRI findings are insufficiently described.

Please include

- Signal characteristics on T1/T2-weighted images
- Presence of septations
- Contrast enhancement pattern
- Exact tumour plane involvement
- Relationship with fascia and muscle groups
- Whether diffusion-weighted imaging was used

Including representative MRI images with legends would substantially improve manuscript quality.

. Surgical Methodology Requires Expansion

The surgical procedure description is very limited. Please clarify

- Surgical incision approach
- Muscle involvement
- Reconstruction requirement
- Blood loss estimation
- Operative duration
- Margin distance
- Intraoperative complications
- Drain placement
- Postoperative rehabilitation protocol

These details are important for surgical readers.

5 Follow-Up Duration Is Too Short

The follow-up period of only 6 months is inadequate for liposarcoma recurrence evaluation.

6. Discussion Section Needs Better Depth

The discussion is currently descriptive rather than analytical. Authors should strengthen it by discussing:

- Biological behaviour of well-differentiated liposarcoma
- Risk of dedifferentiation
- Recurrence rates
- Role of adjuvant radiotherapy
- Prognostic factors
- Current NCCN/ESMO recommendations
- Functional outcomes after limb-sparing surgery