

REVIEWER'S REPORT

Manuscript No.: IJAR-53033

Date: 28/07/2025

Title: "Carcinosarcoma of the Uterine Cervix: A Case Report with Immunohistochemical Analysis"

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 Name: Dr. S. K. Nath

Date: 28/07/2025

Reviewer's Comment for Publication:

This case report effectively highlights an extraordinarily rare cervical carcinosarcoma and supports the hypothesis of a metaplastic origin influenced by HPV infection. Its detailed histopathological and immunohistochemical characterization adds valuable knowledge to the limited literature on this entity. However, further studies with larger cohorts and molecular analyses are needed to elucidate pathogenetic mechanisms definitively and develop optimal management strategies. The report underscores the importance of immunohistochemistry in differentiating complex tumor components and contributes to the understanding of tumor histogenesis, which could influence future diagnostic and therapeutic approaches.

Reviewer's Comment / Report

Strengths:

- Rare Case Documentation:** The report addresses an exceedingly rare tumor entity of the cervix, contributing valuable data to literature that can aid future diagnoses and management strategies.
- Detailed Histopathological and IHC Profiles:** The authors provide comprehensive microscopic descriptions along with immunohistochemical profiles, enhancing the understanding of distinguishing features between tumor components.
- Use of Immunohistochemistry (IHC):** The application of multiple markers (p16, GATA3, CD10, p40, p63, AR, Calretinin) helps clarify tumor composition, supporting immunophenotypic distinction and supporting the metaplastic histogenesis hypothesis.
- Correlation with Literature:** The discussion contextualizes findings within existing theories about carcinosarcoma development, including the role of HPV and the metaplastic origin.
- Clinical Relevance:** The report describes clinical presentation, imaging, treatment (surgical excision, adjuvant therapy), and pathological staging, which are vital for clinicians managing similar cases.

Weaknesses:

- Limited Sample Size:** As a single case report, the findings cannot be generalized. The conclusions about pathogenesis and management are inherently limited.
- Lack of Molecular Analysis:** While immunohistochemistry is thorough, molecular studies (such as HPV typing or genetic profiling) could provide more definitive evidence regarding tumor origin and pathogenesis.
- Limited Follow-up Data:** The report mentions treatment but lacks long-term follow-up, making it difficult to assess prognosis or therapeutic efficacy.
- Incomplete Discussion on Treatment Decisions:** Details about the choice of adjuvant therapy, rationale, and expected outcomes are sparse, which could be informative given the rarity.

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5. **Figures Referencing:** While figures are referenced in the text, actual images are not included in the excerpt I have, which could limit full appreciation of histological features for some readers.