

REVIEWER'S REPORT

Manuscript No.: IJAR-53283

Date: 12/08/2025

Title: *Small Cell Neuroendocrine Carcinoma of the Larynx: A Rare and Aggressive Tumor – Case Report and Literature Review*

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: 13/08/2025

Reviewer's Comment for Publication:

The paper effectively underscores the extreme rarity and aggressive behavior of laryngeal SCNEC, highlighting the diagnostic challenges and poor prognosis associated with this malignancy. It advocates for the necessity of early diagnosis, multidisciplinary management, and exploration of novel therapies like immunotherapy and molecular targeting. The case report serves as an important addition to the limited literature, emphasizing the need for further research to improve outcomes for patients affected by this rare tumor.

Reviewer's Comment / Report

Strengths:

- Comprehensive Case Presentation:** The paper details the clinical presentation, imaging findings, histopathology, immunohistochemistry, treatment course, and outcome of the patient, providing valuable insights into the real-world management of such a rare tumor.
- Literature Contextualization:** It effectively integrates current knowledge about the epidemiology, pathology, and treatment options for laryngeal SCNEC, emphasizing its rarity and aggressive nature.
- Clear Diagnostic Criteria:** The emphasis on histological and immunohistochemical features (CK+, chromogranin+, synaptophysin+, TTF1–, p40 sparse) aids in understanding the diagnostic process.
- Discussion of Prognosis and Future Perspectives:** The paper discusses the poor prognosis associated with this tumor and mentions promising directions like immunotherapy and molecular profiling.

Weaknesses:

- Limited Data on Treatment Outcomes:** The case outcome was unfavorable, but the report does not provide in-depth discussion or analysis of alternative or emerging treatment strategies beyond standard chemo-radiotherapy.
- Small Sample Size and Generalizability:** As a single-case report, the findings have limited generalizability. The rarity of the disease restricts the ability to draw broad conclusions or recommendations.
- Lack of Long-term Follow-up Data:** The patient's rapid deterioration and death limit insights into potential long-term management, prognosis, or survivorship strategies.
- Absence of Molecular or Genetic Data in the Case:** While molecular profiling is mentioned as a future perspective, no such data are provided for the reported case, which could have strengthened the discussion around targeted therapies.