

REVIEWER'S REPORT

Manuscript No.: IJAR-52605

Date: 02/07/2025

Title: "Unraveling the Journey to Insular - A Rare Case Report of the Insular Carcinoma of Thyroid"

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: 02/07/2025

Reviewer's Comment for Publication:

The paper effectively highlights the rarity, aggressive nature, and diagnostic challenges of insular thyroid carcinoma through a detailed case report. It advocates for comprehensive surgical intervention and radioactive iodine therapy, aligning with current treatment standards. Despite its limitations, it underscores the importance of early detection and the need for further research into molecularly targeted therapies. Overall, it serves as a valuable contribution to the limited case literature on insular carcinoma, providing insights that can guide clinicians managing similar cases.

Reviewer's Comment / Report

Strengths:

- Rare Case Documentation:** The report adds valuable data on a rare thyroid malignancy, contributing to the limited literature on insular carcinoma.
- Detailed Clinical and Surgical Findings:** The inclusion of intraoperative visuals and histopathological images enhances understanding of the disease and its diagnosis.
- Discussion on Pathogenesis:** The text explores the progression from well-differentiated to more aggressive forms like insular and anaplastic carcinoma, underlining biological behavior.
- Use of Immunohistochemistry & Molecular Data:** Reference to molecular mutations (like RAS gene mutations) provides insight into the tumor biology, aligning with current diagnostic trends.
- Clear Treatment Strategy:** The case emphasizes surgical management and the role of radioactive iodine, corresponding with standard care protocols.

Weaknesses:

- Limited Sample Size:** As a single case report, the findings may not be generalizable.
- Lack of Long-term Follow-up Data:** The report does not provide information on patient outcomes, prognosis, or recurrence rates, which are crucial for understanding disease course.
- Absence of Advanced Diagnostic Detailing:** While histopathology is discussed, there's limited mention of specific immunohistochemical markers or molecular profiling results for this particular case.
- Discussion Depth:** The pathogenic discussion could be expanded, including more recent molecular insights and therapeutic advancements.
- Formatting and Clarity:** Minor issues evident in figure references and image quality may affect interpretability.