

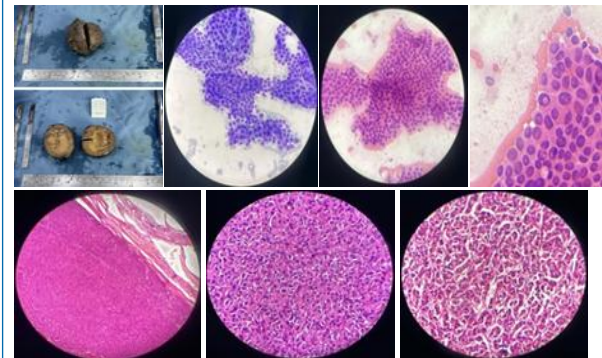
	ORIGINAL RESEARCH PAPER ONCOCYTIC VARIANT OF PAPILLARY THYROID CARCINOMA, A CASE REPORT	Pathology KEY WORDS:
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INTRODUCTION- The oncocytic variant of papillary carcinoma of thyroid is a rare subtype of papillary thyroid carcinoma which accounts for 1-11% of all PTC's.⁽¹⁾ Oncocytic variant is characterised by more than 75% of oncocytic cells (also known as hurthle cell / askanzy cell / oxyphilic cell) having abundant granular eosinophillic cytoplasm. It occurs predominantly in females with sex ratio (female :male) of 4:1.⁽²⁾	tion of strict histological criteria are necessary to separate these lesions from other primary thyroid neoplasm. REFERENCES- - Kim SY. Clinical Considerations of Oncocytic Thyroid Cancer: A Review. J Endocr Surg.2024 Sep;24(3):49-55. https://doi.org/10.16956/jes.2024.24.3.49 - Berho M, Suster S.The oncocytic variant of papillary carcinoma of the thyroid: A clinicopathologic study of 15 cases. Hum Pathol. 1997;28:47-53. [Google Scholar] - WHO Classification of Tumours of Endocrine Organs: page 87 - Mills and Sternbergs Diagnostic Surgical Pathology, (2 Vol Set), 7ed page 549
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Case History- Clinical History: A 54 year female patient came to the ENT department with complains of anterior neck swelling of size 7*6 cm which moves with deglutition since 8 months. Ultrasound of neck revealed well defined solid hypoechoic space occupying lesion in right lobe of thyroid (TIRADS III). Initial FNAC was done from anterior neck swelling & cytomorphological features are suspicious of papillary carcinoma of thyroid (Bethesda Category V). After that patient underwent total thyroidectomy and specimen was sent to our department for histopathological examination.	
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RESULT- Based on the FNAC results showing thyroid follicular cells in groups, clusters in papillary pattern, nuclear overlapping, over-crowding & intra nuclear cytoplasmic inclusions & histopathology results showing polygonal cells with well defined cell border having abundant eosinophillic granular cyto-plasm & prominent nucleoli, the tumor was diagnosed as Onco-cytic variant of papillary thyroid carcinoma, pT3aNx.	
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DISCUSSION- Thyroid carcinoma accounts for 1% of all malignancy and 0.2% of all concerned death. Papillary thyroid carcinoma is most common histological type of thyroid carcinoma, accounting for 80-85% of all thyroid malignancies. The pathogenesis of oncocytic variant of PTC is associated with specific genetic mutations particularly in mitochondrial DNA, however in some studies mutation in oncogenes like BRAFV600E are also been identified.	
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CONCLUSION- The oncocytic variant of papillary carcinoma of thyroid although rare, appears to represent a morphologically distinctive variant of papillary carcinoma, therefore applica-	
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