



A recent paradigm shift in a common thyroid neoplasm diagnosis and management: A single institutional experience

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: Encapsulated Follicular Variant of Papillary thyroid Carcinoma (EFV-PTC) is a common subtype of Papillary thyroid Carcinoma (PTC) with low malignant potential. Based on capsular and vascular invasion they are divided into Non-Invasive and Invasive subtypes (NIEFV-PTC and IEVV-PTC, respectively). Recently a proposal by international groups of thyroid disease experts has been made to re-classify non-invasive encapsulated follicular variant of papillary thyroid carcinoma as a non-malignant thyroid neoplasm and to use the term: "Noninvasive Follicular thyroid Neoplasm with Papillary-Like Nuclear Features (NIFTP)". In this study, we identified the clinic-pathological characteristics and management of NIEFV-PTC at King Abdul-Aziz Medical City, Jeddah during 2011-2015.

: A retrospective review of all pathological reports of thyroidectomy specimen with a malignant diagnosis. All cases of EFV-PTC were included as well as other common variants of PTC for comparison. All pathological diagnoses were reviewed by a board-certified pathologist. Additional needed data were obtained by reviewing patient's charts.

: A total of 69 EFV-PTCs (44 non-invasive, 25 invasive) accounting for 28% of all PTC. EFV-PTC had significantly larger tumor size than PTC ($P < 0.001$). NIEFV-PTC tend to be uni-focal compared to invasive EFV-PTC ($p = 0.006$). None of the NIEFV-PTCs showed peri-neural invasion/extra-thyroidal extension/lympho-vascular invasion/lymph node metastasis. 56.8% ($n = 25$) of NIEFV-PTC were managed by surgery and radioactive iodine ablation with a mean dose of 92.82 MCI.

: Our local institutional experience indicates that NIEFV-PTC tumors were over staged and treated as conventional thyroid cancer despite an indolent behavior. Adopting the NIFTP terminology in accordance with the recent recommendations might significantly reduce the over-treatment and its associated complications. Where are the conventional PTC cases??

Notes: