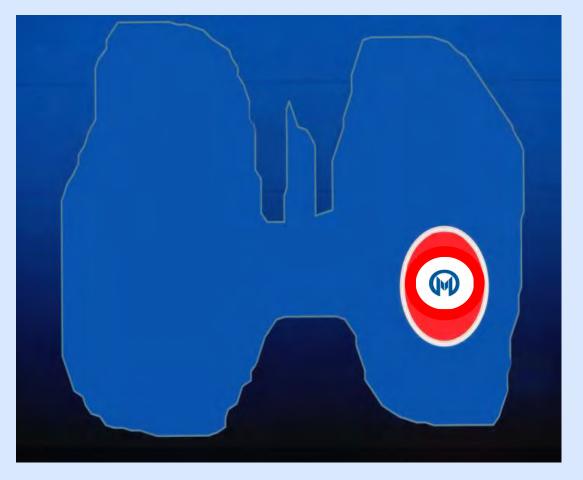
WHO classification of thyroid cancer, 5th edition – changes that impact on diagnosis, prognosis and therapy of follicular-derived thyroid neoplasms





Presented by: William Westra M.D., Professor and Vice Chair of Pathology, The Moffitt Cancer Center Disclosures: None to report (i3 Health and FLASCO have mitigated all relevant financial relationships)

DISCLOSURE



I have no relevant financial relationships to disclose

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WHO Classification of Tumours • 5th Edition

Endocrine and Neuroendocrine Tumours

Edited by the WHO Classification of Tumours Editorial Board















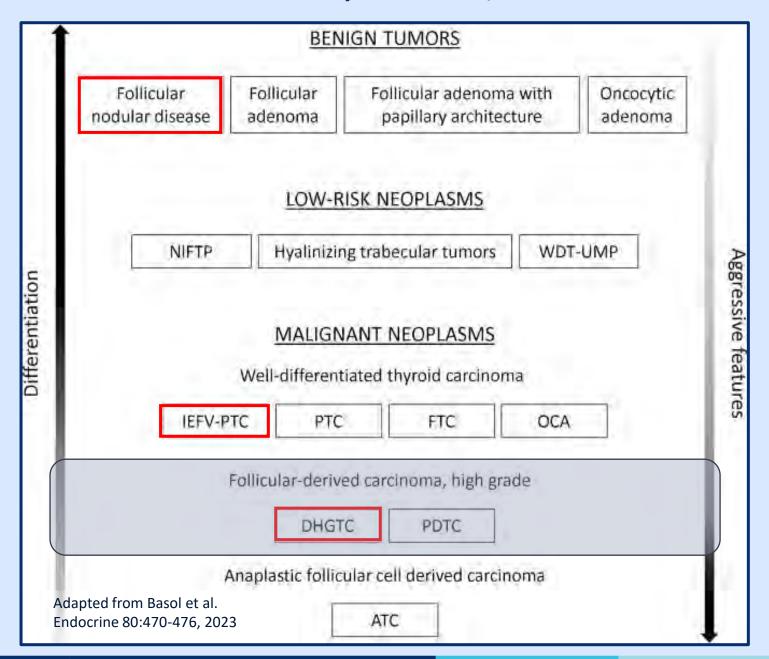






W.H.O Classification of Thyroid Tumors, 2015 – new entities





NIFTP = non-invasive follicular thyroid neoplasm with papillary-like nuclear features

WDT-UMP = well-differentiated thyroid tumor with uncertain malignant potential

IEFV-PTC = invasive encapsulated follicular variant of papillary thyroid carcinoma

PTC = papillary thyroid carcinoma

FTC = follicular thyoid carcinoma

OCA = oncocytic thyroid carcinoma

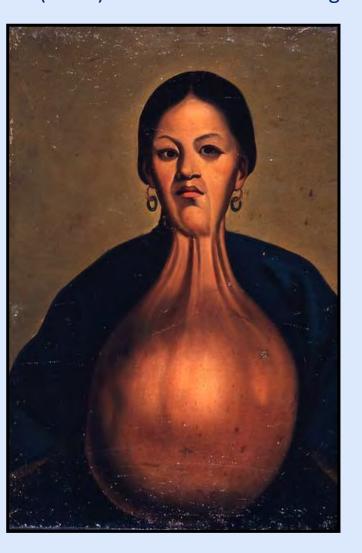
DHGTC = differentiated thyroid carcinoma with high-grade features

PDTC = poorly differentiated thyroid carcinoma

ATC = anaplastic thyroid carcinoma

Thyroid follicular nodular disease (FND): A multifocal non-inflammatory benign proliferation of thyroid follicular cells that results in multiple clonal and non-clonal nodules with highly variable architecture. Multinodular goitre (MNG) is clinical term referring to an enlarged thyroid gland with multiple nodules caused by FND.



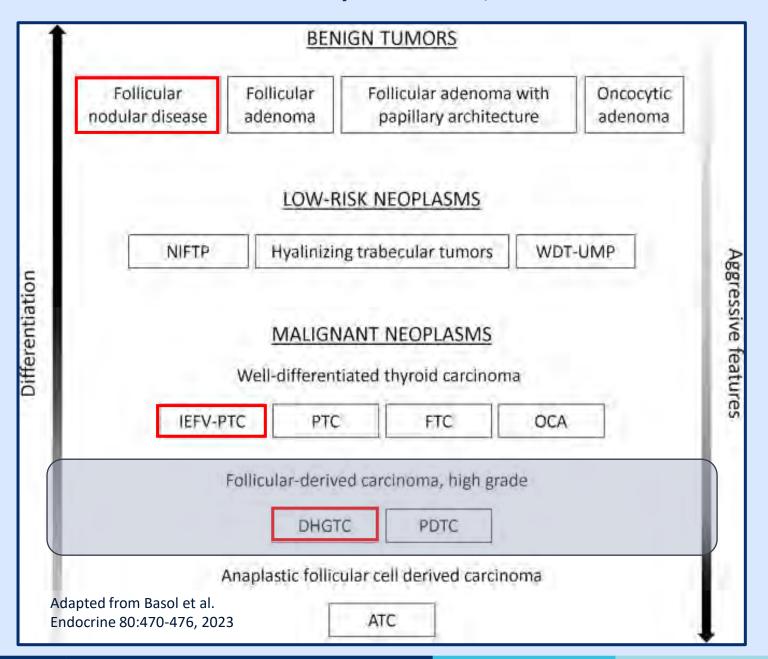






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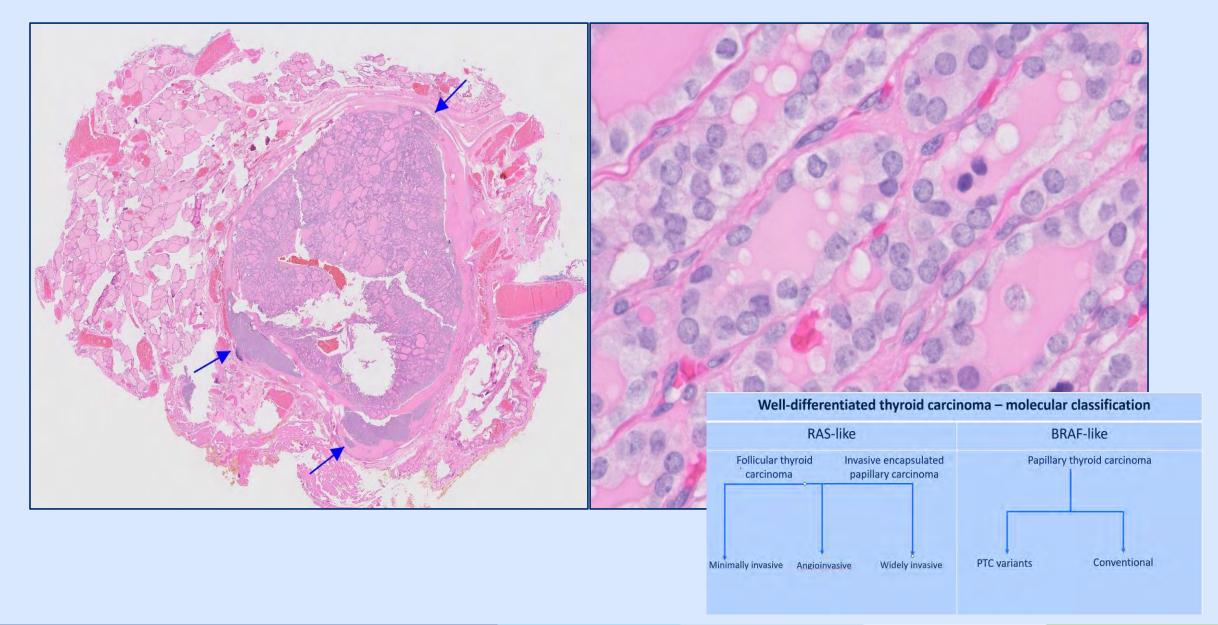
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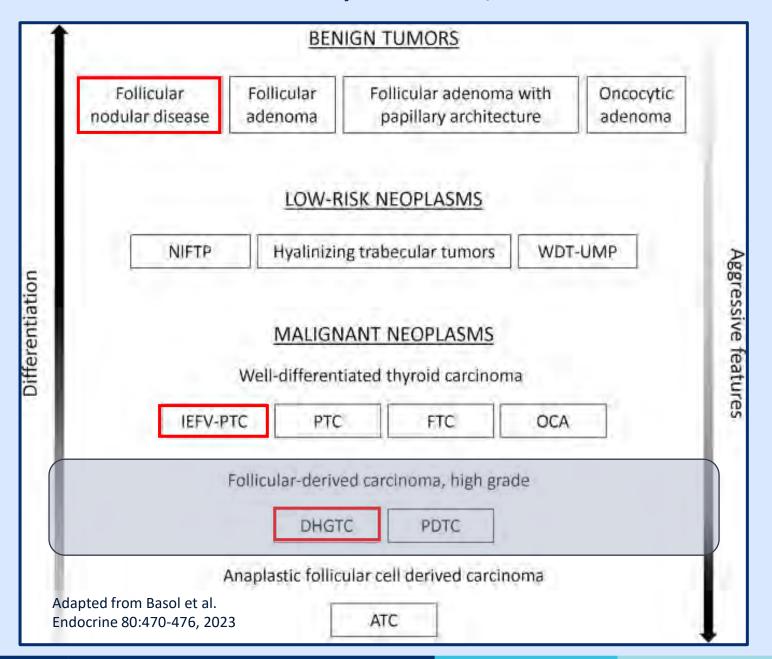
Invasive encapsulated follicular variant of papillary thyroid carcinoma





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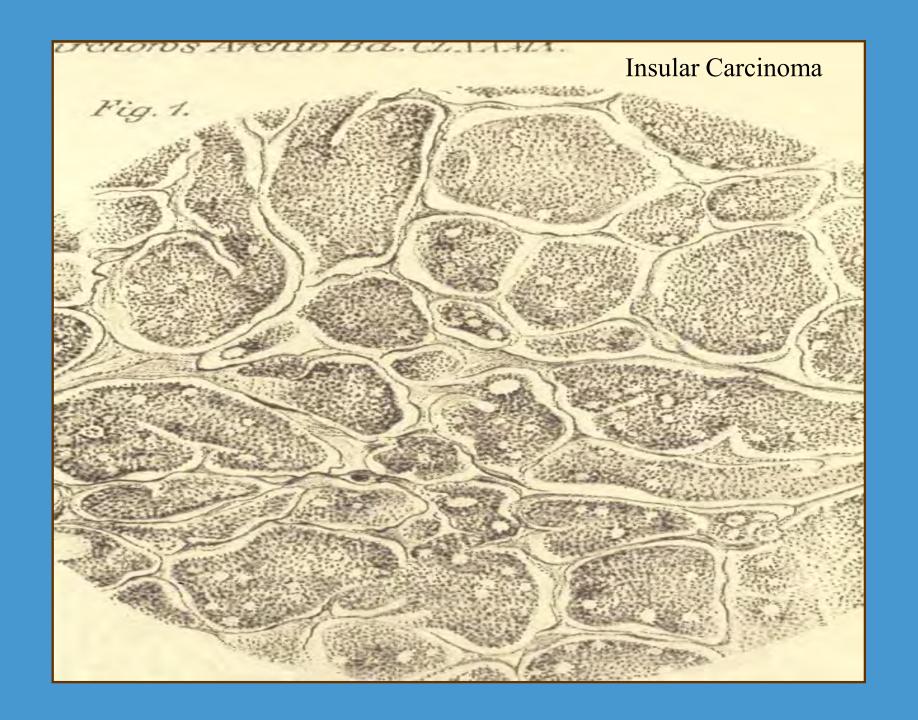
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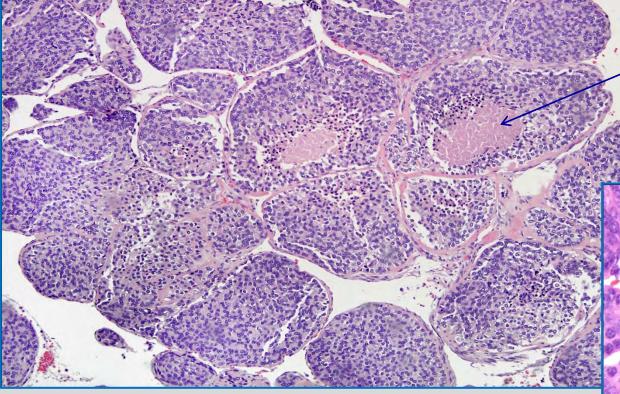
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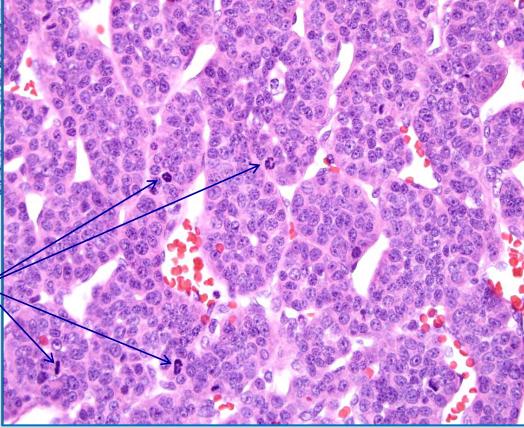




Necrosis

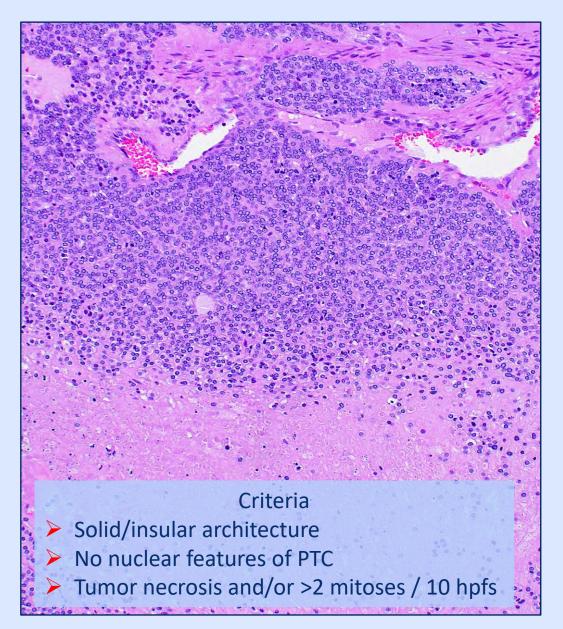


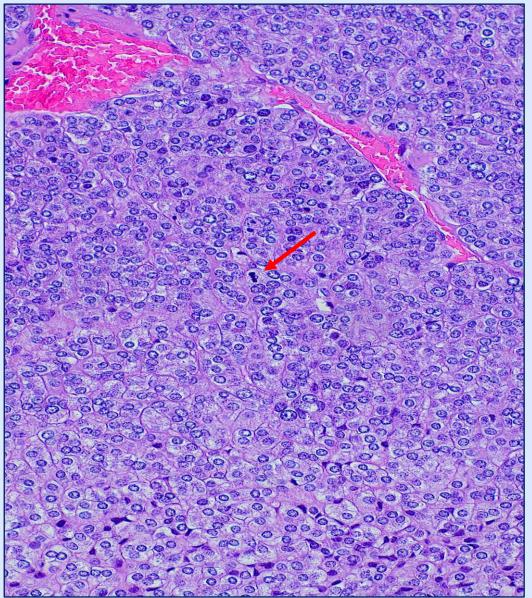
Mitoses (> 4/10hpf)



Poorly differentiated thyroid carcinoma

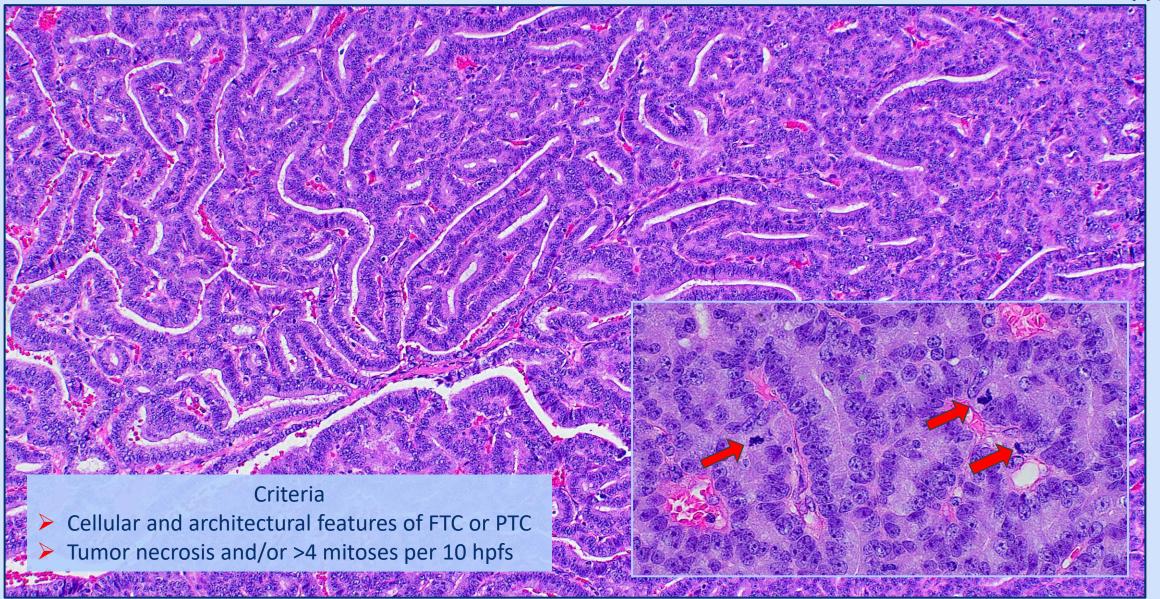






Differentiated thyroid carcinoma with high-grade features







Major movements of pathologic classification of thyroid neoplasms as reflected in changes to WHO classification of thyroid cancers, 5th edition

1. Molecular classification of thyroid tumors with less reliance on morphologic features

2. More refined definition of thyroid cancers with clinical behaviors intermediate between well-differentiated thyroid cancer and anaplastic thyroid cancer