

Diagnostic Terminology

Mayo

- Non Diagnostic
 - Cyst/Acellular
- Negative
 - HASH, BTN
- Suspicious
 - FN/HN/PTC/Other
- Positive
 - PTC/Medullary/Anaplastic/Other

Pap Society

- Non Diagnostic
 - Cyst/Acellular
- Negative
 - HASH, BTN
- Indeterminate
 - Cellular Follicular Lesions
- Suspicious
 - FN/HN/PTC/Other
- Positive
 - PTC/Medullary/Anaplastic/Other

NIH Thyroid Consensus Conference

- Oct 22-23: Bethesda MD
- Similar to TBS conference with web based comment periods
- <http://thyroidfna.cancer.gov/forums/default.aspx>

Mayo Surgical Follow-up Experience

(5,722 FNAs with 1,219 surgical follow up from 2001-2005)

Cytology Diagnosis	Histology Diagnosis N(%)					
	Benign	Follicular/ Hurthle Cell Adenoma	Foll/ Hurth Ca	PTC	Other Thyroid Cancer	Non- Thyroid Cancer
Nondiagnostic	68 (55)	41 (33)	3 (2)	9 (7)	0 (0)	2 (1)
Negative	215 (70)	66 (21)	5 (2)	16 (5)	1 (0)	5 (2)
Suspicious for Follicular/Hurthle Neoplasm	55 (16)	242 (72)	18 (5)	22 (7)	0 (0)	1 (0)
Suspicious for Papillary Cancer	16 (15)	16 (14)	2 (2)	75 (68)	2 (2)	0 (0)
Suspicious for Malignancy, NOS	8 (27)	5 (17)	1 (3)	0 (0)	6 (20)	10 (33)
Positive	3 (1)	4 (1)	3 (1)	262 (85)	15 (5)	22 (8)

Slide evaluation

- History
 - Number and types of nodules, age, Rad
- Low Power
 - Cellularity: arrangement of cells, heterogeneity
 - Background: colloid, cystic change
- High Power
 - Types of cells: Follicular, PTC, other epithelial
 - Background cells: lymphs, PC, giant cells

Differential Diagnosis in Cases with Follicular Cells

