

## Bethesda System for Thyroid Cytopathology

Amy Y. Chen, MD, MPH, FACS  
Emory Department of Otolaryngology  
Professor

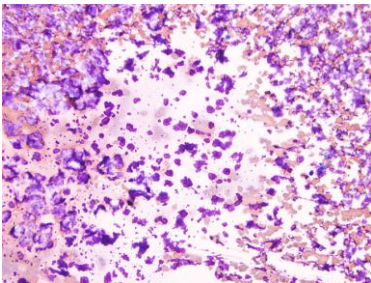
## NCI Thyroid FNA State of the Science Conference

- Bethesda MD
- October 22-23, 2007
- 154 registrants: pathologists, surgeons, endocrinologists, radiologists

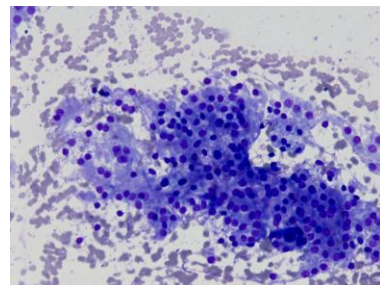
## Purpose of the conference

- Define clarity of communication for defined categories
- Nondiagnostic
- Benign
- Atypia of Undetermined Significance (AUS)
- Suspicious for a Follicular Neoplasm
- Suspicious for a Malignancy
- Malignancy

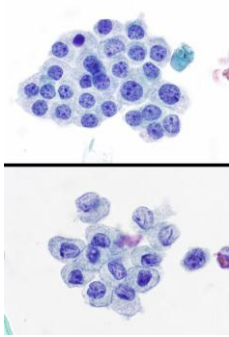
Unsatisfactory



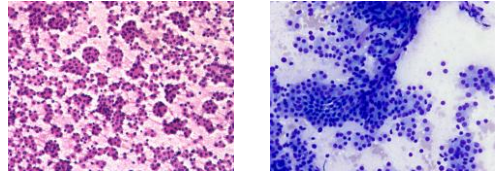
Benign



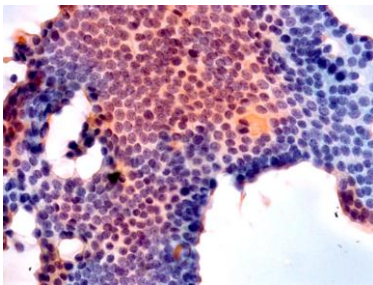
AUS



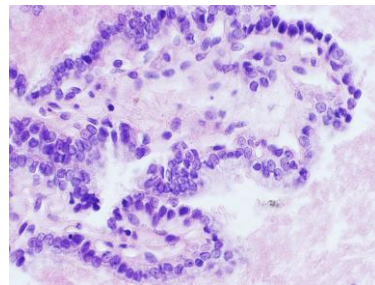
Follicular neoplasm



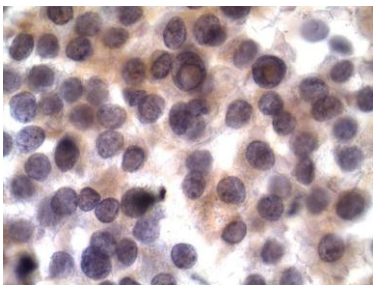
Suspicious for malignancy



PTC malignancy



Intranuclear inclusions



Implied Risk of Malignancy and Recs

Diagnostic category	Overall Prevalence	Risk of Malignancy %	Clinical recs
Nondiagnostic	No more than 10%	1-4%	Repeat FNA with US guidance
Benign	60-70%	0-3	Clinical followup
Atypia of Uncertain Sig	3-6%	5-15	Repeat FNA
Follicular neoplasm	5-10%	15-30	Thyroid lobectomy
Suspicious for malignancy	3-6%	60-75	Near total thyroidectomy or lobectomy
Malignant	3-7%	97-99	TT or near TT

Ali and Cibas 2010