

ANALYSIS AND COMMENTARY ● ● ● ● ●

The data summarized in the current report show considerable variability among institutions with regard to the frequency of the various categories. This finding suggests that there may be a subjective element in categorizing a given FNA.

With regard to the possibility of malignancy for a given classification, the data corroborate the results anticipated when the classification was set up (1). In patients with benign FNA or inadequate specimens who undergo surgery, it is likely that clinical factors, such as a family history of thyroid cancer, the size of the nodule, compressive symptoms, or suspicious findings on ultrasonography are the basis for the decision to perform surgery.

The authors recommend that the FNA be repeated when the diagnosis is AUS/FLUS; this seems rea-

sonable given that the alternative is to operate on all of these patients when the overall possibility of malignancy is 16% (about the same as the nondiagnostic category). Eventually, molecular markers may help to clarify which patients should be referred for surgery (2).

In patients in the suspicious for malignancy category, the data also show that there is a very high percentage of malignancy, 75%. Although the three categories of AUS/FLUS, FN/SFN, and suspicious for malignancy had previously been lumped together to comprise an “indeterminate” class (2), it is clear that when the FNA is in the suspicious for malignancy category (DC V), the patient should undergo thyroidectomy. It is reasonable to consider removing DC V, from the “indeterminate” classification. It should be noted that the authors do not use this term.

References

1. Cibas ES, Ali SZ. The Bethesda System for Reporting Thyroid Cytopathology. *Am J Clin Pathol* 2009;132:658-65.
2. Nikiforov YE, Ohori NP, Hodak SP, Carty SE, LeBeau SO, Ferris RL, Yip L, Seethala RR, Tublin

ME, Stang MT, et al. Impact of mutational testing on the diagnosis and management of patients with cytologically indeterminate thyroid nodules: a prospective analysis of 1056 FNA samples. *J Clin Endocrinol Metab* 2011;96:3390-7. Epub August 31, 2011. doi: 10.1210/jc.2011-1469.