

INEXPERIENCE, CYSTIC NODULES. AND MACROCALCIFICATIONS OFTEN RESULT IN INADEQUATE THYROID BIOPSY SPECIMENS

nodules can be watched, unless there are a variety of criteria indicating that they are malignant.

As noted in a *Clinical Thyroidology* article in August 2011, a possible maneuver to avoid unnecessary surgery in such an instance is to perform a positron-emission tomography-computed tomography (PET/CT) scan, provided the nodule is >1.5 cm (3). If the

PET/CT scan is negative, the possibility of malignancy is very small. If it is positive, the possibility of malignancy rises to 62%. As one letter writer noted, this is a very expensive diagnostic test, but it is still cheaper than surgery.

— Jerome M. Hershman, MD

References

1. Cooper DS, Doherty GM, Haugen BR, Kloos RT, Lee SL, Mandel SJ, Mazzaferri EL, McIver B, Pacini F, Schlumberger M, et al. Revised American Thyroid Association management guidelines for patients with thyroid nodules and differentiated thyroid cancer. *Thyroid* 2009;19:1167-214.
2. Frable WJ, Sidawy, MK, DeMay, RM, et al. Diagnostic terminology and morphologic criteria for cytologic diagnosis of thyroid lesions: a synopsis of the National Cancer Institute Thyroid Fine-Needle Aspiration State of the Science Conference. *Diagn Cytopathol* 2008;36:425-37.
3. Giovanella L, Suriano S, Maffioli M, Ceriani L. FDG-positron emission tomography/computed tomography (PET/CT) scanning in thyroid nodules with nondiagnostic cytology. *Clin Endocrinol (Oxf)* 2011;74:644-8.