



## PAX8-PPARG REARRANGEMENT OCCURS IN ONLY 1.9% OF FOLLICULAR ADENOMAS AND IS LIKELY TO BE AN ONCOGENE MARKER FOR FOLLICULAR CARCINOMA

### REFERENCES

1. Kroll TG, Sarraf P, Pecciarini L, Chen CJ, Mueller E, Spiegelman BM, Fletcher JA. PAX8-PPAR $\gamma$ 1 fusion oncogene in human thyroid carcinoma. *Science* 2000;289:1357-60.
2. Nikiforov YE, Steward DL, Robinson-Smith TM, Haugen BR, Klopper JP, Zhu Z, Fagin JA, Falciglia M, Weber K, Nikiforova MN. Molecular testing for mutations in improving the fine-needle aspiration diagnosis of thyroid nodules. *J Clin Endocrinol Metab* 2009;94:2092–2098.
3. Cantara S, Capezzone M, Marchisotta S, Capuano S, Busonero G, Toti P, Di Santo A, Caruso G, Carli AF, Brilli L, Montanaro A, Pacini F. Impact of proto-oncogene mutation detection in cytological specimens from thyroid nodules improves the diagnostic accuracy of cytology. *J Clin Endocrinol Metab* 2010;95:1365–1369. Epub February 3, 2010.

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