



# Recurrence of Papillary Thyroid Cancer Was Found in 1.4% of Those Without Persistent Disease Within 8 Years

Durante C, et al.

## ANALYSIS AND COMMENTARY ● ● ● ● ●

This paper provides important data regarding long-term follow-up of patients with PTC, but it does not provide a definitive rationale for optimal management of these patients with regard to length of follow-up before saying that recurrent disease is very unlikely. Persistent disease in 2.5% and recurrence in 0.8% (5 of 625) of the low-risk group are cause for concern. The authors contrast their findings with the 1990 findings of Mazzaferri and Jhiang, who found a recurrence rate of 20%, with 19% detected more than 10 years after surgery (2).

Obviously, high-risk patients require long-term, perhaps 20 years, of careful follow-up. Those with low and intermediate risk should probably be followed for 10 years (at least 8, based on the data of this study) before being optimistic about cure, a term used very cautiously, even in patients with thyroid cancer.

Surprisingly, the authors do not comment on what happened to the 185 patients with positive Tg at the

initial (probably 1 year) follow-up. These patients are certainly a cause for concern and continued follow-up until the Tg declines and/or all imaging is repeatedly negative.

It is interesting that 88% received RAI. With less use of RAI in low-risk patients with PTC, as currently advocated, there may be more cause for concern. The serum Tg in patients who do not undergo ablation will then be detectable often, making this measurement useless as a biomarker for recurrence. The authors point out that 92% of those treated with RAI had negative imaging findings, as did 98% of those not given RAI; the small difference may be attributed to not using RAI in patients with a very good prognosis.

The role of TSH suppression with levothyroxine was not addressed in this report. Because of late recurrences, I am reluctant to allow the TSH to be in the normal range until there is good evidence of absence of disease.

## References

1. Cooper DS, Doherty GM, Haugen BR, Kloos RT, Lee SL, Mandel SJ, Mazzaferri EL, McIver B, Pacini F, Schlumberger M, Sherman SI, Steward DL, Tuttle RM. Revised American Thyroid Association management guidelines for patients with thyroid nodules and differentiated thyroid cancer.
2. Mazzaferri EL, Jhiang SM. Long-term impact of initial surgical and medical therapy on papillary and follicular thyroid cancer. *Am J Med* 1994;97:418-28.

American Thyroid Association (ATA) Guidelines Taskforce on Thyroid Nodules and Differentiated Thyroid Cancer. *Thyroid* 2009;19:1167-214.