Diagnostic Tool for Diagnosing Benign Versus Malignant Thyroid Lesions

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Technology description

Summary

The present invention relates to methods for the diagnosis and staging of thyroid cancer. The invention employs analysis of gene expression using microarrays or quantitative RT-PCR to distinguish between malignant and benign tumors. Primer and probe sequences are described that represent a six gene or ten gene model for diagnosing benign and malignant thyroid cancer. Analysis of the expression of these genes in thyroid lesions taken from patients could be used for molecular classification of the lesions. As analysis of thyroid lesions by traditional means, such as fine needle biopsy with cytologic examination, can result in indeterminate results, the current invention may provide a superior method for molecular diagnoses of thyroid cancer.

Institution

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