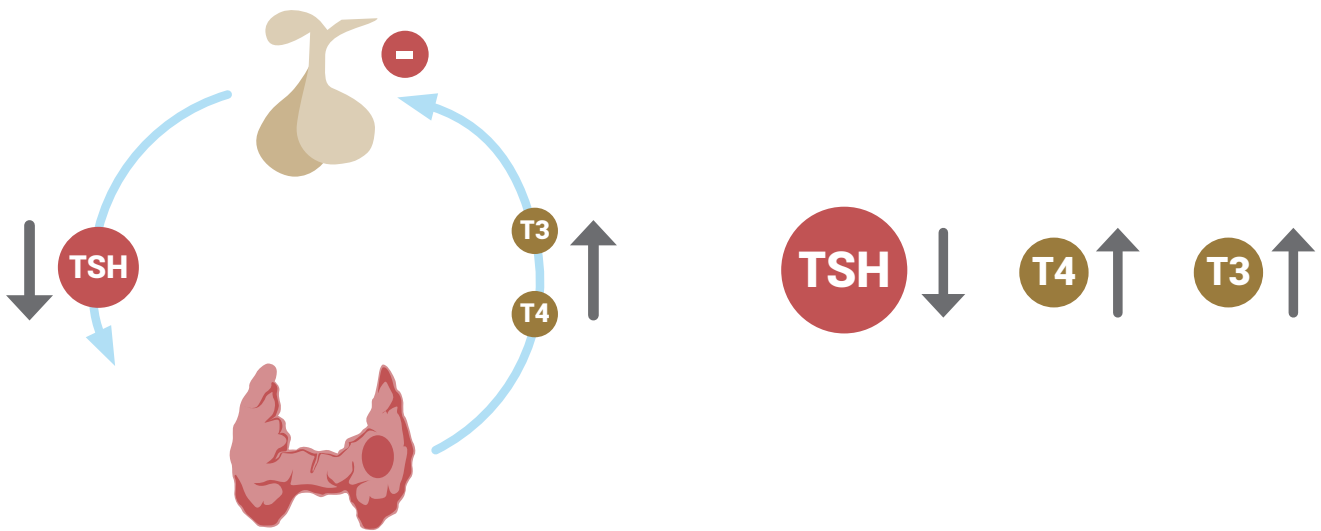


# HYPERTHYROIDISM

## Diagnosing autonomous nodules

Some thyroid nodules are autonomously functioning, meaning they produce thyroid hormone independent of stimulation from TSH.

This leads to elevated levels of thyroid hormone, which suppress TSH production. Labs will show elevated T3/T4, with low TSH.



Nodules can be identified on exam or on ultrasound, but RAI scan is needed to determine if the nodule is autonomous ("hot") or non-functioning ("cold").



Hot nodule



Cold nodule