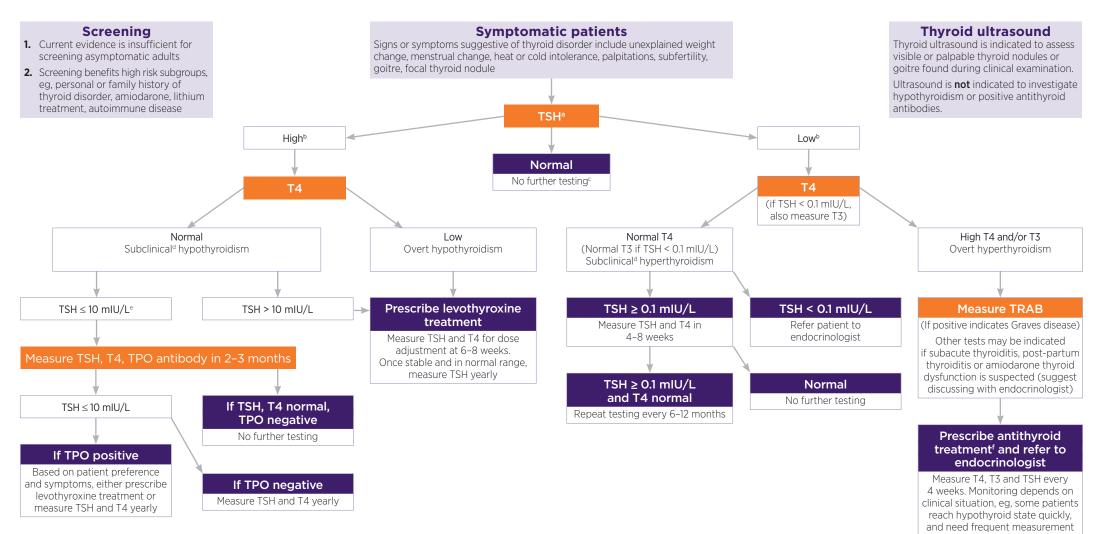
Adult thyroid disorder testing algorithm



TSH = thyroid-stimulating hormone, T4 = free thyroxine, T3 = free triiodothyronine, TPO = thyroid peroxidase, TRAB = TSH receptor antibodies

Note: This algorithm does not apply in pregnancy. If results of thyroid tests do not match patient presentation, consider non-thyroid illness, recovery from intercurrent illness, interference by heterophile or other antibodies, or high dose biotin (with certain thyroid assays).

- ^a TSH is the most appropriate initial investigation for suspected primary thyroid disorder. Free T4 and/or free T3 are not usually requested in isolation.
- b If TSH is higher or lower than laboratory reference intervals, request free T4.
- c If you suspect pituitary disorder, request both TSH and free T4 on laboratory form initially, as it is essential to interpret TSH in the context of a free T4 measurement.
- ^d Subclinical thyroid disorder identified by testing requires careful clinical assessment of relevant symptoms, thyroid morphology and important comorbidities.
- e If patient is symptomatic, offer a 3-6-month trial of levothyroxine treatment without any antibody testing.
- f In subacute thyroiditis, antithyroid treatment is contraindicated.

Acknowledgements

Developed based on 2017 Royal College of Pathologists of Australasia. Position statement: Thyroid function testing for adult diagnosis and monitoring, with input from experts: Associate Professor Shane Hamblin, Melbourne and Professor Rita Horvath, Sydney

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