Hyperthyroidism at a glance

Causes

Graves' disease*

Toxic adenoma

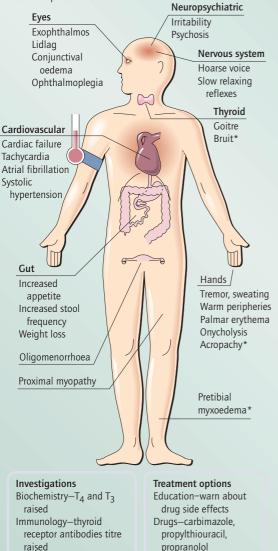
Iodine induced

Toxic multinodular goitre

TSH-secreting tumour

Epidemiology

Age: most common 30–60 years of age Sex: 90% female Genetics: shows a familial tendency Geography: more common in iodine-replete areas



Surgery-large goitre

I₁₃₁-indications vary

depending on cause

and course of disease;

patient's age and sex

failed medical treatment

Ultrasound + nuclear imaging help distinguish

Graves' and adenoma

follicles and scant colloid

Histopathology-small

in Graves'

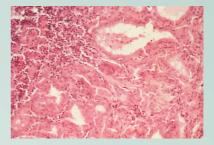


Fig. A Histological appearance of Graves' disease. The follicles are small and lined with hyperplastic columnar epithelium. Colloid within the lumen is sparse or absent. There is also infiltration of the gland with lymphocytes and plasma cells.

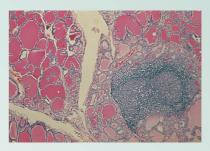


Fig. B After treatment with anti-thyroid drugs the follicles become larger and the lining epithelium flatter.



Fig. C Patients with Graves' disease appear thin, nervous, hyperactive and unable to sit still, often with a wide-eyed expression and symmetrical thyroid enlargement that moves on swallowing.