

# Toxic adenoma

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Toxic adenoma is a thyroid adenoma that increasingly produces thyroid hormones . Hyperthyroidism is present , which is not affected by pituitary feedback. Symptomatic adenomas are more common in the elderly.

## Clinical manifestations

Hypercirculatory symptoms predominate, cardiac symptoms may occur but endocrine orbitopathy usually isn't present . The symptoms are typical of Graves' disease . Adenomas with dimensions over 3 cm are clinically evident.

## Diagnosis

Elevated levels of thyroid hormones (TSH, fT4, fT3), scintigraphy ( ↑ accumulation of radioisotope in the node) supplemented by biopsy to rule out malignancy is important for diagnosis .

## Treatment

Strumectomy provides a definitive solution . Preoperative remission of thyrostatics is necessary before the operation, usually the toxic adenoma does not calm down and therefore the operation is started. When thyroidectomy is contraindicated ,radioiodine is administered . Thyroid adenomas are necrotized less frequently by targeted ethanol injection.

## Related Articles

- thyroid hormones
- thyroid adenoma
- Graves disease
- Thyrotoxic crisis

## Sources

- ws:Toxický adenom
- PASTOR, Jan. *Langenbeck's medical web page* [online]. [feeling. 2010]. < <http://langenbeck.webs.com> >.

## References

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