

Thyroid adenoma

Adenoma is the most common thyroid tumor. It is a **benign** tumor. Follicular adenoma is formed by epithelial cells, is solitary, encapsulated and well differentiated. It can occur solitarily and multiple times. Multiple occurrence is typical of the so-called **polynodose goiter**, which is a multiple disease of the thyroid gland by adenomas and cysts.

Etiology and pathogenesis

The etiology of the disease is **unknown**. Affected are mostly **women**, especially those over the age of **50**.

Clinical signs

There are a number of histological types, some of which retain the ability to produce thyroid hormones. Such adenomas can manifest themselves in **thyrotoxicosis** - we speak of the so-called **toxic adenoma**. Other clinical manifestations may include a **locally visible** or **palpable node**.

Differential diagnosis here requires a puncture biopsy .

Diagnostics

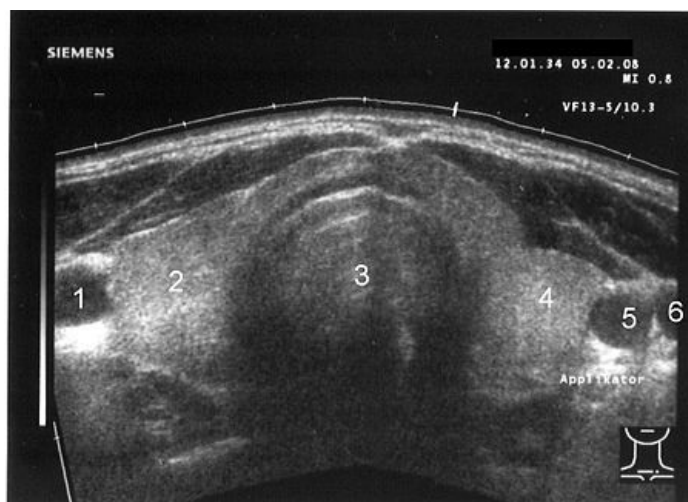
Malignancies should always be ruled out for any palpable resistance in the thyroid gland. In the diagnosis of adenoma (and differentiation of malignant tumor) the following is used:

- **medical history**;
- **physical examination** (aspection, palpation);
- **USG**;
- **USG + FNAB** (*fine needle aspiration* biopsy) followed by cytopathological examination).

Therapy

Therapy can be divided into conservative and surgical, with surgery usually being approached after conservative treatment is ineffective.

1. **Conservative treatment**: substitution-suppression therapy (thyrostatics, synthetic analogues of thyroid hormones - levothyroxine).
2. **Surgical**: hemithyroidectomy, subtotal thyroidectomy, almost total thyroidectomy, total thyroidectomy.



Ultrasound imaging of the thyroid gland (2, 4); A. carotis communis (1, 5), Trachea (3), and Vena jugularis (6)

CAVE!!!: During thyroid surgery, it is important not to damage the recurrent laryngeal nerve , superior laryngeal nerve and parathyroid glands . Another possible complication is perioperative bleeding.

Links

Related articles

- Nádory štítné žlázy
- Toxický adenom
- Tyreotoxikóza

Literature

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