

# Differentiated thyroid carcinoma

Differentiated carcinoma is the most common malignancy of glandula thyroidea. We distinguish:

1. **Papillary carcinomas** – grow slowly x tendency to local recurrences, metastasize mainly to the cervical lymphatic nodes.
2. **Follicular carcinomas** – metastasize hematogenously (bones, lungs).

## Clinical characteristic

- A solitary growing knot of solid consistency (sometimes already in the present goiter – faster growth + change in appearance at USG;
- in an advanced stage – nodal metastases of the neck (less frequent distant metastases);
- thyroid function is not altered (x functionally active metastases may be a source of hyperthyresis).

## Diagnosis

- Clinical characteristic, USG, aspiration biopsy with the cytological examination.

## Therapy

- **Total thyroidectomy** (optionally in combination with selectively modified block neck resection;
- **radioiodine therapy**;
- **external beam radiotherapy**;
- **substitution-suppression therapy** (synthetic analogs of thyroid hormones – levothyroxine, replaces missing hormones and inhibits TSH in the pituitary gland).

Thyroglobulin is used as an early marker of recurrence/metastasis.

## Prognosis

- Very good with early detection of the disease;
- worse in elderly patients and in distant multiple metastases.

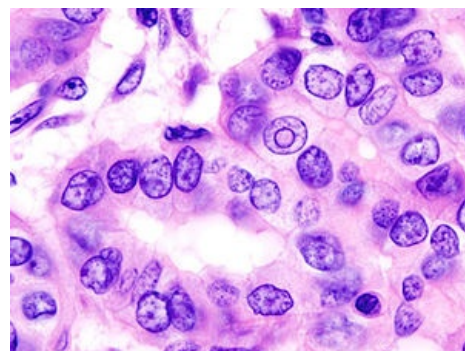
## References

### Related articles

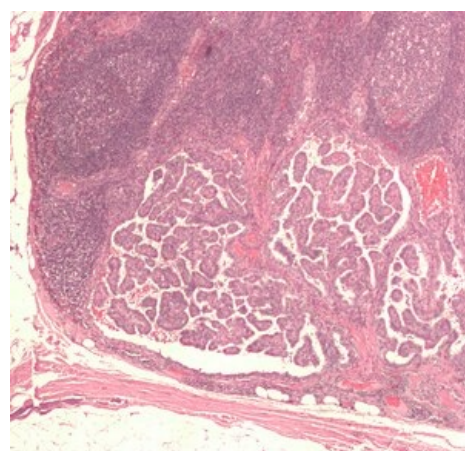
- Thyroid tumors
- Anaplastic thyroid cancer
- Medullary thyroid carcinoma

### Sources

- DÍŤĚ, P. *Internal Medicine*. 2. edition. Praha : Galén, 2007. vol. 586. ISBN 978-80-7262-496-6.
- KLENER, Pavel. *Internal Medicine*. 3. edition. Praha : Galén, 2006. vol. 1158. ISBN 80-7262-430-X.



Papillary carcinoma of the thyroid gland



Metastasis of papillary carcinoma in lymphatic node

Thyroid gland diseases	
<b>non - cancerous diseases</b>	Hypothyroidism • Congenital hypothyroidism • Chronic (autoimmune) thyroiditis • Myxedema coma • Hyperthyroidism • Graves-Basedow disease • Thyrotoxicosis • Thyrotoxic crisis • Neonatal hyperthyroidism • Goiter (pediatrics) • Thyroiditis • Thyroid gland diseases
<b>cancer illnesses</b>	Thyroid adenoma • Toxic adenoma • <b>Differentiated thyroid carcinoma</b> • Anaplastic thyroid carcinoma • Medullary thyroid carcinoma
<b>thyroid examination</b>	Examination of thyroid function • Thyroid diseases examination
Portal: Endocrinology and metabolism	

