

Primary heart tumors

Primary heart tumors are significantly less common than secondary tumors.

Benign tumors

Benign heart tumors include:

Papillary fibroelastoma

Warty or tasseled formation on the heart valves

Myxoma of the heart

In 80% of cases it is located in the left atrium, in 15% in the right atrium, in 5% in the left or right ventricle.

Clinical signs

- in case of embolization: ischemia of organs supplied by the embolized artery;
- in case of mitral orifice obstruction: dyspnoea, increased fatigue, cough, haemoptysis, pulmonary edema;
- in case of tricuspid orifice obstruction: symptoms of right heart failure.

Cardiac myxoma can be accompanied by a variety of non-specific symptoms.

Diagnostics

- Anamnesis
- Physical exam
- **Echocardiography**

Therapy

- surgical removal,
- echocardiographic monitoring.

Carney syndrome = complex myxoma syndrome.

- This is a rare syndrome in which myxoma of the heart is associated with:
 - multiple pigmented nevi,
 - adrenocortical hyperplasia
 - pituitary tumors,
 - multiple fibroadenomas of the breast,
 - Sertoli's testicular tumor,
 - cutaneous myxomas

Rhabdomyoma

More detailed information can be found on the page rhabdomyoma

Malignant tumors

Sarcomas

- **Angiosarcoma, rhabdomyosarcoma** (*fibrosarcoma, liposarcoma, osteosarcoma*),
- they occur at any age,
- most often in the right atrium,
- clinically: manifestations of heart failure, arrhythmias, precordial pain, pericardial effusion, cardiac tamponade, sudden cardiac death; embolization (tumor masses, thrombi; often into the CNS), pulmonary edema, syncope (in left atrial tumors); extracardiac metastases (lungs, mediastinum, spine, etc.); very unfavorable prognosis (approx. 3 months),
- diagnosis: weight loss, clubbing fingers, heart failure, arrhythmias, pericardial friction murmur, diastolic murmur at the tip / regurgitation systolic murmur; the most ECHO, CT and MRI,
- therapy: surgical removal, but mostly only palliative surgery.

Links

Related articles

- Heart tumors

References

1. VANĚK, Ivan, et al. *Kardiovaskulární chirurgie*. 1. vydání. Praha : Karolinum, 2003. 236 s. ISBN 8024605236.

Literature

- KLENER, P, et al. *Vnitřní lékařství*. 3. vydání. Praha : Galén, 2006.
- VANĚK, Ivan, et al. *Kardiovaskulární chirurgie*. 1. vydání. Praha : Karolinum, 2003. 236 s.