

Mantle cell lymphoma

Mantle cell lymphoma (*mantle-cell lymphoma, MCL*) is a lymphoproliferative disease, which results from the B-cell series. Thus, it is CD20 + and is characterized by **high proliferative activity**, which is associated with a worse prognosis.

Epidemiology

Mantle cell lymphoma is one of the less common types of lymphoma, accounting for 6-9% of all lymphomas. Its incidence reaches 2 / 100,000 inhabitants. It occurs more often in men than in women, in a ratio of 3: 1.

Clinical symptoms

Mantle cell lymphoma is manifested by similar symptoms as other malignant lymphomas - so-called **B-symptoms** (night sweats, weight loss, subfebrile).

Diagnosis

It is determined from the excised node. Other samples (*core biopsies*, FNAB) are less suitable. Only a very small proportion of diagnoses are based on lymphocyte morphology, as they are highly heterogeneous. Immunohistochemical determination of cyclin D1 "overexpression" is required. In rare, *cyclin D1*-negative cases, diagnosis of *Sox-11* detection aids.

Therapy

The therapeutic procedure is based on the progression of the disease and the patient's condition. Local radiotherapy is possible in patients with localized disease. Patients with advanced disease are indicated for immunochemotherapy with a combination of *rituximab*+ CHOP (*cyclophosphamide, doxorubicin, vincristine, prednisone*), or another combination of chemotherapeutics. We adjust the intensity of therapy to the age and condition of the patient.

References

Related Articles

- Lymphoma
- Non-Hodgkin's malignant lymphomas

References

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Recommended literature

- KLENER, Pavel. *Vnitřní lékařství*. 4. vydání. Praha : Galén : Karolinum, 2011. 0 s. ISBN 978-80-246-1986-6.