

## PRIMARY PULMONARY NON-HODGKIN'S LYMPHOMA

**N. S. Opanasenko, A. E. Kshanovsky, A. V. Tereshkovich,  
B. N. Konik, O. K. Obremska, I. M. Pavluk**

### *Abstract*

Non-Hodgkin's lymphomas are a group of histologically and biologically heterogeneous malignancies with unclear etiology which occur from mucosa-associated lymphoid tissue (MALT). Extranodal types of lymphomas are characterized by a focus of primary tumor in the organs and tissues that contain MALT. Primary pulmonary non-Hodgkin's lymphoma is rare, accounting for only 0,4 % of all lymphomas.

**Objectives:** to describe a clinical features of this disease on our own material and on the data of foreign literature, as well, to introduce the pathology to different specialists.

**Materials and methods.** Single clinical case of primary pulmonary non-Hodgkin's lymphoma has been described in the department of thoracic surgery and invasive method of diagnostics for all time of observation. Histological diagnosis was established using REAL-classification of lymphomas. Immunophenotyping was carried out using monoclonal antibodies to CD4, CD5, CD20, CD10, CD23, BCL2, CD20cy, Ki-67 and cyclin-d1, B-Cell-Specific Activator Protein.

**Results.** After the preoperative examination, posterior thoracotomy has been performed and left lower lobe has been typically removed with the tumor focuses, mediastinal nodal dissection has been carried out as well. Using histology and immunophenotyping diagnosis of extranodal B-cell lymphoma of marginal zone associated with the bronchus lymphoid tissue (MALT-lymphoma) has been established.

**Conclusion.** Despite the favorable prognosis, the best practices in treatment of the primary pulmonary non-Hodgkin lymphoma have not yet been identified in the world. This would require deeper depth research and long-term monitoring of this contingent of patients.

**Key words:** primary pulmonary non-Hodgkin's lymphoma, clinical features.

**Ukr. Pulmonol. J. 2014; 2:82–85.**

*Mykola S. Opanasenko*

*National institute of phthisiology and pulmonology named  
after F. G. Yanovskyi NAMS of Ukraine*

*Head of thoracic surgery and invasive methods  
of diagnosing department*

*Doctor of medicine,*

*10, M. Amosova str., 03680, Kyiv*

*Tel. 380672718511, opanasenko@ifp.kiev.ua*