

International Conference and Exhibition on **Molecular Medicine and Diagnostics** August 24-26, 2015 London, UK

Microenvironment of morphologic structures of invasive carcinoma NST

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Invasive carcinoma of non-specific type (IC NST) is characterized by different morphological structures presence. These structures are divided into two subtypes. The first group includes tubular, trabecular structure and discrete tumor cells and is characterized association of tumor cells not only with other tumor cells, but with the stroma. The second group, which includes solid and alveolar structure characterized connections between tumor cells without any connection with the stroma excepting external layer of cells. Significance of morphological intratumoral heterogeneity of IC NST described for tumor progression dependent on the menstrual status of patients. Furthermore, our research team demonstrated that the presence of alveolar structures increases the risk of nodal metastasis of IC NST. However, until now the role of the microenvironment of various structures in tumor progression is unknown. Gene expressions analyze shows heterogeneity of microenvironment of morphological structures of IC NST. The microenvironment of alveolar structures presented Th2-type immune response. Since the property of the tumor microenvironment is closely interacting with tumor progression, it can be concluded that the development of Th2 immune response in microenvironment of alveolar structures contributes to the manifestation its invasive properties.

Biography

Liubov A Tashireva has completed her PhD from Siberian State Medical University. She is the Research Fellow of pathological anatomy department of Tomsk Cancer Research Institute. She has published more than 9 papers in reputed journals.

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