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SLEDOVÁNÍ INCIDENCE NESTABILITY MIKROSATELITŮ V NÁDOROVÝCH BUŇKÁCH KARCINOMU TLUSTÉHO STŘEVA POMOCÍ IMUNOHISTOCHEMICKÉHO VYŠETŘENÍ EXPRESE PROTEINŮ MLH1, MSH2 A MSH6

Bakalářská práce

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Abstrakt

The main goal of this thesis is introducing of immunohistochemical staining MLH1, MSH2 and MSH6 nuclear proteins into practice. These proteins are involved in the repairs of errors that happen during the transcription of genes. Inherited mistake of any of these genes clinically displays usually in the form of so-called Lynch syndrome. The most typical presentation at the molecular-genetic level is microsatellite instability of tumor cells. In the theoretical part Lynch syndrome is described, etiology, forms of Lynch syndrome, diagnosis and prevention possibilities. In the practical part a test of the group of 30 patients with positive colon cancer. I describe a preparation of immunohistochemical slides and study results.