

In my diploma thesis deals with the question of multiplicities of cancer disease in women , which mainly relate to breast cancer and ovarian cancer . I While hereditary forms of cancer occur minority- and still affects relatively a large group , which constitutes approximately 10 % of all malignancies and breast ovary . Since this number is good at diagnosing this opportunity to think and in the event of discovery of facts which might lead us to suspect a hereditary form of cancer , it is advisable to use options genetic testing , get tested as patient and her family members , and adapt the results of preventive monitoring of the whole family . It is in this group patients or patients is most important to their long-term monitoring , prophylactic interventions in primary prevention and individual work with families, for which the certificate mutation lot of stress.

The paper will be presented most common genetic syndromes in women under which occur in particular breast cancer , their incidence in the population of women the Czech Republic , dispensary preventive programs and treatment options . Will be credited to comprehensive and preventive care and will focus specifically on mutations in the BRCA genes , as the most common cause of cancer multiplicitního disease in women .

The aim of this work is the assembly , and complete the evaluation of the current information on the subject of hereditary cancer in women associated with mutations especially in the BRCA genes .

I will focus on issues of search - patients carriers , genetic testing, preventive measures and treatment options that can be used in these women , or men offered.