

Abstract

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Despite the progress of modern medicine cancer diseases are still the second most frequent cause of death in the world. This is due to the still incomplete knowledge of the sources for tumor resistance mechanics, diversity of tumor cells characteristic signs, poor disease prevention as well as late diagnosis.

Lack of the resistance mechanics knowledge and attributes characteristics of these tumors led to a number of studies dealing with this issue. These studies revealed some specific properties for number of these tumors, for example occurrence of surface changes of some tumors and activation of certain molecular lines in the cancerous process. This fact gave an impulse to the research and production of substances which selectively kill only tumor cells. This is called a targeted therapy having today an utmost importance in the therapeutic strategy.