

testing and personalized approach to the patients would reduce the cost of the treatment by reducing the incidence of DM.

Key Words: diabetes, genomics, candidate genes, metabolic syndrome

302. THE IMMUNE PROCESS IN THE PATHOGENESIS OF TUMORS

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Introduction: The immune process in the pathogenesis of the tumors represents an actual subject for the prevention and the treatment of the cancer, which frequency is decreasing while studying the newest theories of the etiopathology of cancer, a disease that is the common cause of death.

The objective of this study is to review the newest methods, that explain the role of the immune processes in the pathology and the treatment of tumors.

Material and methods: Informational support for the development of this publication has served a full amount of current national and international journals, which are concerned with tumors, found through the „PubMed” „Google” si „CrossRefMedlineWeb of Science”. After entering the filters: the immune process in the pathogenesis of tumors were selected 20 sources.

Results:After studying the interaction between the immune system and the tumors, different immunotherapies were identified: the new therapeutic monoclonal antibodies, that were approved by the Food and Drug Administration, as a standard treatment in some forms of cancer, Associated with trastuzumab for mamar cancer and rituximab for the B cells lymphoma, and the vaccines, which are starting to be used in clinical practice, either alone or in various combinations.

Conclusions: Much has been learned about the potential of the immune system to control cancer and the various ways that immunotherapy can boost the potential of the immune system for the benefit of the patient. This knowledge has stimulated the invention of many new therapeutic antibodies, cell-based treatments, and vaccines, which are starting to be used in clinical practice, either alone or in various combinations. These new therapies are expected to result in improved cancer treatment and, eventually, the prevention of cancer.

Key words: The hallmarks of cancer, the immunology of cancer, imunogenicity, immunosuppression, immunotherapies.

303. THE INFLUENCE OF EXPIRATION AND INSPIRATION DURATION ON RESPIRATORY HEART ARRHYTHMIA

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