

# 5<sup>th</sup> World Congress on Cancer Therapy

September 28-30, 2015 Atlanta, USA



## Jack C. Westman

University of Wisconsin School of Medicine and Public Health, USA

### A review of cancer immunotherapies and nutritional therapies

Immunotherapies and nutritional therapies are assuming prominence in the prevention and treatment of cancer. Immunoediting is the process in which aberrant cells multiply. Immunosurveillance by the immune system distinguishes between aberrant and normal cells and usually eradicates aberrant cells. Some aberrant cells withstand immunosurveillance and may become benign tumors. Some aberrant cells grow unrestrained by immunosurveillance and become cancer cells in the neoplastic process. Immunotherapies can be classified as: 1) *active* that stimulates a patient's innate immune response; 2) *adoptive* that exposes immune system cells to specific cancer antigens; 3) *restorative* that restores deficient functions of immune system cells without removing them from a patient; and 4) *passive* that infuses a patient with antibodies to antigens on the patient's cancer cells. The evidence suggests that a combination of immunotherapies most closely resembles the way in which the immune system works. By 2013, thirteen immunotherapy antibodies had been approved by the FDA, and many more are currently being evaluated in clinical trials. Nutritional therapies include 1) the *ketogenic* diet that starves cancer cells; 2) *CELLFOOD* that produces an alkaline body and high levels of oxygen that smother cancer cells; 3) *curcumin* that inhibits tumor growth and metastasis; 4) *IAHCC* that is an immune system modulator, 5) *milk thistle* that stimulates detoxification pathways and inhibits the growth of cancer cells; and 6) *vitamin D3* that can prevent the formation of and kill cancer cells. The most effective approach is to use all of them as a "cocktail".

### Biography

Jack C. Westman completed an M.D. and an M.S. at the University of Michigan. He is an Emeritus Professor at the University of Wisconsin School of Medicine and Public Health. He has published more than 160 professional articles and 12 books. He has served as president of three professional organizations and currently is the president of Wisconsin Cares, Inc.

[jwestman@wisc.edu](mailto:jwestman@wisc.edu)

### Notes: