



The effect of curcumin in the prevention of breast cancer in women

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Abstract

Turmeric is one of the most powerful spices for fighting breast cancer cells. Curcumin, which is extracted from the turmeric plant, prevents some tumoral cancers. The expression of various proteins, such as inflammatory cytokines and enzymes, transcription factors and gene products related to cell proliferation, can be changed by curcumin and also reduce the toxic effects of mitomycin C. Curcumin preferentially arrests cells in the G2/S phase and ginger extract in the G1 phase of the cell cycle. The curcumin in turmeric can have many health benefits, including the potential to fight or even prevent breast and other cancers. It is not yet clear how best to use turmeric medicinally, but in many cases it can be used as an adjunctive therapy alongside other treatments such as chemotherapy.

Key words: curcumin, prevention of breast cancer in women, Turmeric .