



Efficiency of antioxidant and polyphenol of mango in the treatment and debarment of testis cancer

Sayed Alireza Mirsane*¹, Shima Shafagh², Neda Mirbagher³, Sayed Mojtaba Mirsane⁴, Nasrin Oraei⁴

1. Student of Surgical Technology, School of Nursing and Midwifery, Kashan University of Medical Science, I. R. Iran
2. General Surgery Specialist, Medical School, Kashan University of Medical Science, Kashan, I.R. IRAN
3. Department of Surgical Technology, School of Nursing and Midwifery, Kashan University of Medical Sciences, Kashan, I. R. Iran
4. Teacher of education office of khansar town, Esfahan, I. R. Iran

PURPOSE and INTRODUCTION: testis cancer is a malignant tumour that starts in the cells of the testis. Malignant means that it can spread, or metastasize, to other parts of the body also treatment by fruits is very popular way and very good intervention for cancer treatment or prohibition Our aim was efficiency checking of efficiency of antioxidant and polyphenol of mango in the treatment and prohibition of testis cancer

METHODS: We did a systematic review of 22 studies identified by searching PubMed, Ovide, Elsevier and ProQuest. Studies were about of efficiency of antioxidant and polyphenol of mango in the treatment and prohibition of testis cancer

RESULTS: Studies showed antioxidant of mango can inhibit tumoral cell proliferation and apoptosis through the modulation of cellular transcription factors and signaling proteins in . testis cancer, as well as, results suggested mango polyphenol have a lot anticancer activities, including inhibition in tumoral cell multiplication, tumoral cell cycle, invasion and angiogenesis in . testis cancer. Analysis were based on the key role of pomegranate in anti-inflammatory affects why so pomegranate is inhibitor of inflammation and suppressor of tumor creation in . testis cancer.

CONCLUSION: Due to this review: antioxidant and polyphenol of mango can inhibit tumoral cell proliferation, tumoral cell cycle, invasion of tumoral cells, inflammation and angiogenesis in testis cancer because those have a lot important efficiency in inhibition of tumoral cells activities. Also antioxidant of pomegranate can debar apoptosis through the modulation of cellular transcription factors and signaling proteins in . testis cancer. This review of mango suggest a wide range of clinical applications for the treatment and prohibition of . testis cancer, as well as other illnesses where inflammation is believed to play an necessary etiologic role.