



## Efficiency of phytochemicals and flavonoids Apple in the treatment and prohibition of Ovaries tumors

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**PURPOSE and INTRODUCTION:** Ovaries tumors occurs when cancerous cells develop in the tissue of the Ovaries and also treatment by fruits is very popular way and very good intervention for cancer treatment or prohibition Our aim was efficiency checking of phytochemicals and flavonoids Apple the treatment and prohibition of Ovaries tumors

**METHODS:** We did a systematic review of 22 studies identified by searching PubMed, Ovide, Elsevier and ProQuest. Studies were about of efficiency of phytochemicals and flavonoids Apple the treatment and prohibition of Ovaries tumors

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

**CONCLUSION:** Due to this review: Phytochemicals and flavonoids apple can inhibit tumoral cell proliferation, tumoral cell cycle, invasion of tumoral cells, inflammation and angiogenesis in Ovaries tumors because those have a lot important efficiency in inhibition of tumoral cells activities. Also Phytochemicals of apple can debar apoptosis through the modulation of cellular transcription factors and signaling proteins in Ovaries tumors. The phytochemistry acts of apple suggest a wide range of clinical applications for the treatment and prohibition of Ovaries tumors, as well as other illnesses where inflammation is believed to play an necessary etiologic role.

**Keywords:** Phytochemicals, Apple flavonoids, Tumor, Ovaries tumors