

عنوان مقاله:

Green tea consumption and breast cancer risk; Review of last epidemiological studies

محل انتشار:

نهمین کنگره بین المللی سرطان پستان (سال: 1392)

تعداد صفحات اصل مقاله: 1

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خلاصه مقاله:

Background: Green tea is one of common drinks in the worldwide. Also many of women are using of green tea for prevention of breast cancer and cardiovascular disease. Although this is a thesis but some of researchers accede this. The target of this review article, is investigated effect of green tea in incidence and recurrence of breast cancer. Method: This review article is with investigated of last studies with searching in PUBMED and ISI web of sciences searching motors with keywords include Green Tea and Breast Cancer between 2000 and 2014. After filtration and separation, 12 articles are selected. Results: Some propose mechanisms are including: Anti-oxidant effect: There is polyphenol compound in green tea that can have anti-oxidant effect to inhibit carcinogens and prevention of breast cancer. Cell grows inhibitor: some compound in green tea can modulation of cell signaling that this effect can inhibit cell grows. Apoptosis adjustment: One of component in green tea is Catechin that can induce apoptosis with redox regulation. Regulation of potential oncogenes and tumor suppress genes in microRNA of MCF-7 in breast cancer cells: Last studies are shown that Polyphenols induced modification of the breast cancer microRNA expression profile. The resulting decrease in carcinogenesis is further supported by the altered microRNA of MCF-7 regulation of potential oncogenes and tumor-suppressor genes. Conclusion: Cell grows unlimited and apoptosis inhibition is known mechanism in cancers. Also many of drugs and chemical therapy doing for cell grows inhibition, angiogenesis and apoptosis regulation. Green tea can replace drugs. Epidemiologic studies are shown consumption .of 5 cups of green tea can have a anti-cancer effect

کلمات کلیدی:

green tea – breast cancer

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