

Caffeine and its main targets of colorectal cancer



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As the third most common incident cancer in the world and the fourth leading cause of cancer-related death, colorectal cancer is a major public health challenge. 14 x 14 Ferlay, J., Soerjomataram, I., Dikshit, R. et al. Cancer incidence and mortality worldwide: sources, methods and major patterns in ...

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Author: Amanda J. Cross, Marc J. Gunter

Publish Year: 2018

Targeted Therapy Drugs for Colorectal Cancer

<https://www.cancer.org/cancer/colon-rectal-cancer/treating/targeted-therapy> ▾

As researchers have learned more about the gene and protein changes in cells that cause colorectal cancer, they have developed newer drugs to specifically target these changes. Targeted therapy drugs work differently from standard chemotherapy (chemo) ...

Last Revised: February 21, 2018

Coffee Consumption and the Incidence of Colorectal Cancer ...

<https://www.hindawi.com/journals/jce/2016/6918431> ▾

Background. Higher coffee consumption has been associated with decreased incidence of colorectal cancer. Our objective was to examine the relationship of coffee intake to colorectal cancer incidence in a large observational cohort of postmenopausal US women. Methods. Data were collected for the Women's Health Initiative Observational Study providing a follow-up period of 12.9 years.

Cited by: 7

Author: Erik J. Groessl, Matthew A. Allison, Jose...

Publish Year: 2016

Guaraná a Caffeine-Rich Food Increases Oxaliplatin ...

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Caffeine and its main targets of colorectal cancer

Wen-Qi Cui, Shi-Tong Wang, Dan Pan, Bing Chang, Li-Xuan Sang

Abstract

Caffeine is a purine alkaloid and is widely consumed in coffee, soda, tea, chocolate, and energy drinks. To date, a growing number of studies have indicated that caffeine is associated with many diseases including colorectal cancer (CRC). Caffeine exerts its biological activity through binding to adenosine receptors, inhibiting phosphodiesterases, sensitizing calcium channels, antagonizing gamma-aminobutyric acid receptors, and stimulating adrenal hormones. Some studies have indicated that caffeine can interact with signaling pathways such as transforming growth factor β , phosphoinositide-3-kinase /AKT/mammalian target of rapamycin and mitogen-activated protein kinase pathways, and through which, caffeine can play an important role in CRC pathogenesis, metastasis,

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Author: Amanda J. Cross, Marc J. Gunter

Publish Year: 2018

Coffee and Cancer: What the Research Really Shows ...

<https://www.cancer.org/latest-news/coffee-and-cancer-what-the-research-really-shows.html> ▼

Recent studies find that **coffee** may lower the **risk** of several types of **cancer**, including head and neck, **colorectal**, breast, and **liver cancer**, although the potential beneficial **effects** of **coffee** are not completely understood. Hundreds of biologically active compounds including **caffeine**, flavonoids, lignans, and other polyphenols are found in roasted **coffee**.

Coffee phenolic phytochemicals suppress colon cancer ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3106432>

Feb 11, 2011 - B-Raf mutations occur frequently in **colon polyps** and are an early initiating event in **colon cancer** and **melanoma** (1). The **mitogen-activated** protein kinase/extracellular signal-regulated protein kinase kinase (MEK) proteins are downstream **targets** of Raf.

Cited by: 96

Author: Nam Joo Kang, Nam Joo Kang, Ki Won L...

Publish Year: 2011

Caffeine and Cancer - Oncology Nutrition DPG

<https://www.oncologynutrition.org/erfc/healthy-nutrition-now/foods/caffeine-and-cancer> ▼

For most types of **cancer**, **coffee** appears either to decrease **risk** of **cancer**, or to have no effect on