

# Preventing cancer through lifestyle modifications: A path to wellness.

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## Introduction

Preventing cancer through lifestyle modifications is a powerful approach that individuals can adopt to reduce their risk of developing this devastating disease. Research has consistently shown that certain lifestyle choices can have a significant impact on cancer prevention. By making conscious decisions to modify behaviors and adopt healthier habits, individuals can take proactive steps towards reducing their risk of cancer. In this article, we will explore various lifestyle modifications that have been linked to cancer prevention and provide practical tips for implementing these changes.

**Quitting smoking:** one of the most important lifestyle modifications for cancer prevention is quitting smoking. Tobacco smoke contains numerous carcinogens that can damage DNA and lead to the development of cancer. Cigarette smoking is strongly associated with lung cancer, as well as other cancers, such as those of the mouth, throat, oesophagus, bladder, and pancreas. Quitting smoking significantly reduces the risk of developing these cancers and improves overall health. Supportive resources such as smoking cessation programs, medications, and counselling can greatly assist individuals in their efforts to quit smoking.

**Healthy diet:** Adopting a healthy diet is crucial for cancer prevention. A diet rich in fruits, vegetables, whole grains, and lean proteins can provide essential nutrients, vitamins, minerals, and antioxidants that help protect against cancer. Specific dietary factors that have been linked to a reduced risk of cancer include [1].

a. **Increased fruit and vegetable consumption:** Aim for a colourful variety of fruits and vegetables, as they contain phytochemicals that have cancer-fighting properties.

b. **Whole grains:** Choose whole grain bread, rice, pasta, and cereals over refined grains to ensure an adequate intake of fiber, vitamins, and minerals.

c. **Limit red and processed meat:** High consumption of red and processed meats has been associated with an increased risk of colorectal and other types of cancer. Opt for lean proteins such as fish, poultry, beans, and lentils as alternatives.

d. **Reduce sugary drinks and processed foods:** High consumption of sugary beverages and processed foods has been linked to an increased risk of obesity, which is a risk factor for several types of cancer [2].

Regular physical activity plays a crucial role in cancer prevention. Engaging in moderate-intensity aerobic exercises such as brisk walking, swimming, cycling, or jogging for at least 150 minutes per week can help maintain a healthy weight and reduce the risk of several types of cancer, including breast, colon, and lung cancer. Additionally, incorporating strength training exercises twice a week can help build and maintain muscle mass, which is important for overall health.

Obesity is a significant risk factor for several types of cancer, including breast, colorectal, endometrial, kidney, and pancreatic cancer. Maintaining a healthy weight through a combination of healthy eating habits and regular physical activity is essential for reducing the risk of these cancers. It is important to strive for a Body Mass Index (BMI) within the healthy range (18.5-24.9) and to focus on long-term, sustainable weight management [3]. Notwithstanding, the awareness of ultrasonography for the recognition of hepatic metastases from tumors of the gastrointestinal tract is lower than that of processed tomography. Moreover, the capacity of ultrasonography to identify extra-hepatic metastases and metachronous cancer is restricted. Consequently notwithstanding this suggestion CT is presumably preferred by most units [4].

After essential treatment for patients at higher gamble of repeat, ordinarily those with hub positive growths, ASCO suggests yearly processed tomography (CT) of the chest and midsection for a long time stretched out to remember the pelvis for rectal disease patients. A new orderly survey of studies looking at the symptomatic presentation of various imaging modalities for the location of colorectal liver metastases tracked down the responsiveness of non-helical CT on a for every patient premise to be 60.2% with helical CT accomplishing an awareness of 64.7%. CT is the imaging methodology of decision for the recognition of lung metastases which contrasted and liver secondaries are less inclined to be related with a raised growth marker however are as normal and all the more promptly resectable [5].

## References

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Received: 31-Mar-2023, Manuscript No. AACOCR-23-98723; Editor assigned: 03-Apr-2023, PreQC No. AACOCR-23-98723 (PQ); Reviewed: 17-Apr-2023, QC No. AACOCR-23-98723; Revised: 20-Apr-2023, Manuscript No. AACOCR-23-98723 (R); Published: 25-Apr-2023, DOI:10.35841/aacocr-6.2.141

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