

Significance of Cancer among Different Age Groups of Men and Women

Shuang Lemee*

Department of Clinical Research, Sun Yat-Sen University Cancer Center, Guangzhou, China

DESCRIPTION

Cancer can be acquired by any region of the body, which is the body's unchecked proliferation of abnormal cells. There are several discrete cancer types, yet the fundamental mechanisms that give rise to each type are quite similar. Basically, cancer begins when cells divide uncontrollably and spread into surrounding tissues. In addition, both internal and external variables, including cigarette use and pathogenic organisms, can cause cancer (like, hormones, immune conditions and inherited genetic mutations).

Although it might be challenging to determine the reason why cancer starts in a given individual, research has identified a number of potential beginning causes. Chemicals or poisonous substances including benzene, cadmium, asbestos, vinyl chloride, nickel, benzidine, N-nitrosamines, tobacco or cigarette smoke, and aflatoxin are examples of such causes. Ionizing radiation, such as that emitted by uranium, radon, and ultraviolet rays from sunlight, as well as radiation from sources that release alpha, beta, gamma, and X-rays, are other causes. Human Papillomavirus (HPV), Epstein-Barr Virus (EBV), hepatitis B and C, and Kaposi's sarcoma-associated herpes are a few of the infections linked to cancer. Additionally, human genetics and cancer have been connected.

Although there are specific symptoms of cancer, some of these appear to be linked to other diseases, making a timely cancer diagnosis crucial for patient survival and quality of life. Therefore, improper diagnosis can lead to patients receiving care for diseases other than cancer, delaying the detection and treatment of the disease. When cancer first develops, it doesn't

cause any symptoms, but as the tumor grows, signs and symptoms start to show up, which lowers cancer survival rates. The type of cancer and the site of growth affect the outcome. However, while some symptoms are frequently seen in people who have other medical problems, only a small number of them are exclusive to cancer. Because cancer has a wide range of symptoms and can be mistaken for a number of other illnesses, diagnosing it can be challenging. Local symptoms, such as cough or pneumonia, may be brought on by the tumor's mass or an ulceration on it, as in the case of lung cancer. While colorectal cancer may result in obstructions or narrowing in the intestine, impairing bowel movement, and esophageal cancer may cause restriction of the throat, making it uncomfortable or difficult to swallow. Mass in breasts may produce evident lumps.

An ulcer can bleed, which can result in symptoms including coughing up blood in cases of lung cancer, anemia, rectal bleeding, blood in the urine, or irregular vaginal bleeding in cases of colon cancer (endometrial or cervical cancer). While some malignancies can produce an accumulation of fluid in the chest or abdomen, early tumors are typically painless even though localized pain can arise in advanced cancer stages.

Cancer is a fatal disease that can affect anyone, regardless of gender or age. People are afraid of the diagnosis since, if ignored, it can cause the disease to proceed to a late stage. Because there appears to be a link between cancer symptoms and other diseases, it is crucial for future cancer research and diagnosis to carefully describe cancer-related symptoms across genders and at various ages, correlating these symptoms with clinical laboratory data.

Correspondence to: Shuang Lemee, Department of Clinical Research, Sun Yat-Sen University Cancer Center, Guangzhou, China, E-mail: shuang.lemee@sysucc.org.cn

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