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1. PRIMARY or simple obesity is a medical condition in which excess body fat has accumulated to an extent that it may have a negative effect on health. Primary obesity increases the likelihood of various diseases particularly cardiovascular diseases, type 2 diabetes etc then it becomes secondary obesity.

2. ?????????

3. AETIOLOGY OF CANCER

Cancer is caused by accumulated damages to genes. Such changes may be due to chance or to exposure to a cancer causing substance. Substances that cause cancer are called carcinogens. We can roughly divide cancer risk factors into the following groups:

1. Biological or internal factors such as age, gender, inherited genetic defects and skin type
2. Environmental exposure, for instance to radon and UV radiation, and fine particulate matter
3. Occupational risk factors, including carcinogens such as many chemicals, radioactive materials and asbestos
4. Lifestyle-related factors.

Life style related factors that cause cancer include: tobacco, alcohol, UV radiation in sunlight, some food-related factors such as nitrites and poly aromatic hydrocarbons generated by barbecuing food.

Cancer causing factors related to work and living environments include: asbestos fibres, tar and pitch, polynuclear hydrocarbons (e.g benzopyrene), some metal compounds, some plastic chemicals( e.g vinyl chloride)

Bacteria and viruses can cause cancer: helicobacter pylori (H.pylori, which causes gastritis), HBV,HCV(hepatitis viruses that cause hepatitis, HPV(human papiloma virus, papiloma virus, which causes changes e.g cervical cells), EBV(Epstein-Barr virus, the herpes virus that causes inflammation of the throat lymphoid)

Radiation can cause cancer: ionizing radiation(e.g x-ray radiation, soil radon), non-ionised radiation (the suns UV)

Some drugs may increase the risk of cancer : certain antineoplastic agents, certain hormones, medicine that cause immune deficiency

In 5-10% of breast cancer cases< genetic predisposition plays an important role in the emergence of the disease,

MOLECULAR BASIS

Cancer is a disease of uncontrolled growth and proliferation whereby the cells have escaped the body’s normal growth control mechanisms and have gained the ability to divide indefinitely. It is a 7multi-step process that requires the accumulation of many genetic changes over time. These genetic alteration involve activation of proto-oncogenes, deregulation of tumor suppressor genes and DNA repair gene and immortalization