* Epidemiology of Selected Cancers in Saudi Arabia
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* Objectives
* To enumerate major common cancer in Saudi Arabia
* Identify the magnitude of the problem
* Discuss the distribution of cancer
* Describe causes of cancers
* What is Cancer
* A group of diseases characterised by:
* Abnormal growth of the cells
* Ability to invade
* Lead to death
* The cancer may originate from
* Epithelial cells
* Mesodermal cells
* Bone marrow cells
* Cancer may be
* Primary
* Secondary
* Problem Statement
* It is a worldwide problem
* Every year there are 10 million new cases
* More than 6 million die every year
* Problem Statement
* The most common cancers worldwide are:
* Lung cancer (12.3% of all cancers)
* Breast cancer ( 10.4% of all cancers)
* Colorectal cancer (9.4% of all cancers)
* The most killing cancer are:
* Cancer of the lung (17.8% of all deaths)
* Cancer of the stomach (10.4% of all deaths)
* Cancer of the liver (8.8% of all deaths)
* (notice the relation between incidence and gender ie response to intervention)
* Cancer and Gender
* There is male predominance in some cancer like cancer lung, stomach, esophageal, bladder
* Sometimes it is due to exposure rather than difference in susceptibility
* Other cancers eg pancreatic and colorectal there is minimal difference in gender
* The relationship between incidence and mortality is not affected by gender
* Cancer and Place
* There is unequal distribution of cancer between developed and developing countries
* Life style may influence the pattern of distribution of cancer
* Chronic infection also affect the distribution of cancer( hepatitis B and liver cancer, human papillomaviruses and cervical cancer, helicobacter pylori and cancer stomach
* Time Trend
* At the beginning of this century cancer was the sixth cause of death now it is the second leading cause, Why?
* Patterns of cancer
* Different distribution for different cancer throughout the world, it is due to;
* Environmental factors
* Food habits
* Lifestyle
* Genetic factors
* Inadequate diagnosis and reporting
* Causes of Cancer
* It is multifactorial aetiology
* Environmental Factors
* Responsible for 80 %to 90 % of all cancers
* Genetic Factors
* More difficult to identify
* Environmental Factors
* Tobacco
* Alcohol
* Dietary factors
* Occupational exposures
* Viruses
* Parasites
* Customs, Habits, and lifestyle
* Others
* Saudi Oncology Society
* The Saudi Cancer Registry (SCR) in Saudi Arabia is a population-based registry
* Developed in 1992 (1412H).
* It was established under the jurisdiction of the Ministry of Health (MOH) by the Order of His Excellency the Minister of Health.
* The SCR commenced reporting cancer cases from 01 January 1994.
* The overall incidence of cancer in Saudi Arabia is 71.7 per 100,000
* The Goal of SCR
* The primary goal of the SCR is to define the population-based incidence of cancer in Saudi Arabia.
* Supporting early detection and cancer screening programs and supporting cancer research projects.
* Cancer Incidence Report 2004
* Between January 01 and December 31, 2004, the total number of cancer incident cases reported to the SCR was 9381.
* Overall, cancer was slightly more in men than in women.
* Cancers affected 4,778 (50.9%) males and 4,603 (49.1%) females, with a male to female ratio of 104:100.
* 7,138 cases were reported among Saudis, 1,987 among Non-Saudis.
* Diagnosis of malignancy was conﬁrmed histologically