

TREATMENT OF CANCER

The common approaches for treatment of cancer are surgery, radiation therapy and immunotherapy. In radiotherapy tumor cells are irradiated lethally, taking proper care of the normal tissues surrounding the tumor mass. Several chemotherapeutic drugs are used to kill cancerous cells. Some of these are specific for particular tumours. Majority of drugs have side effects like hair loss, anaemia etc. Most cancers are treated by combination of surgery, radiotherapy and chemotherapy. Tumor cells have been shown to avoid detection and destruction by immune system. Therefore, the patients are given substances

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called biological response modifiers such as α -interferon which activates their immune system and helps in destroying the tumor.

IUD:- Intra Uterine Device

ICSI:- Intra cellular sperm insemination

IVF:- In vitro fertilization

IUI:- Intra Uterine Insemination //

CANCER

Unwanted growth of some tissue in the form of tumours is known as cancer. It is a fatal disease. More than 100 kinds of cancers are known to man today. These are of tongue-skin, blood, lungs, abdomen, liver, pancreas, breast, vaginal cancer etc.

The normal cells when get exposed to carcinogen, they undergo certain changes and they are transformed into malignant cells. These are the cancerous cells.

Cancers are mainly of four types —

- (i) carcinoma — epithelial cells
- (ii) sarcoma — bones, connective tissue etc.
- (iii) Leukemia — Blood (WBC)
- (iv) Lymphoma — Lymphocytes.

Cancer cells are immortal and divide fast and for indefinite periods. These cells also affect neighbouring cells. This disease is very dangerous.

Cancer is treated X-ray radiations

calcium and phosphorous isotops. Surgery and phosphorous isotops. Surgery is the major method of treatment. Chemotherapy is also a way of treating cancers. Radiations are also used to treat cancers.

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