

FORWARD MARCH
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ILL Effects of Radiations

The earliest and most popular form of energy has been the wave. The wave theory proved that light or energy travelled in waveform. Universe consists of system of waves known as radiation. Today's modern life is caught inside the harmful network of manmade radiations. These radiations are electromagnetic in nature and increases the health risk that are associated with the use of electronic instruments like mobile phones, mobile radios, microwave oven, various health diagnostic laboratories methods - x-rays Ultrasonography, M.R.I, and the equipments used in industry.

PATHOGENESIS:

Radiation consists of several types of subatomic particles, principally those called γ -rays, neutron, electrons and α particles that shoot through space at very high speeds, something like 100000 miles per second. They can easily penetrate deep inside the human body, damaging some of the biological cells of which the body is composed. This damage can cause a fatal cancer to develop, or if it occurs in reproductive cells, it can cause genetic defects in late generations of offspring. These radiations have been called carcinogenic by World Health Organization. *The high doses of radiation used to kill cancer cells can also damage healthy cells in the treated area.*

ILL EFFECTS OF RADIATIONS:

In Nature we all are connected. Thus the hazardous effects of Radiations can be seen on environment, all the kingdoms including human, animals, birds, and plants. All biological ill effects begin with the consequence of radiation interactions with the atoms forming the cells. As a result, radiation effects on humans proceed from the lowest to the highest levels: *atoms* \rightarrow *molecules* \rightarrow *cells* \rightarrow *tissues* \rightarrow *organs* \rightarrow *the whole body*. The deleterious effect varies person to person depending upon age, type and duration of exposure, and depending upon the part of body being treated with. Few are summarized below-

1. CANCER:

The most hazardous effect is the CANCER .There is an increased risk of several other types of cancers following prolonged exposure to mobile phone/ tower radiation, such as, salivary gland tumors, lymphoma, facial nerve tumors, skin, blood, testicular and breast cancer.

There is information on patients treated with radiation for cancer of the ovaries, breast, & other organs who survived to develop other cancers from that radiation exposure.

2. GENETICS EFFECTS:

The significant health impact of radiation is causing inherited disabilities range from minor problems like color blindness to very serious maladies like mongolism. The other possible result is that the cell is affected in such a way that it does not die but is simply mutated, thus perpetuates the mutation. This could be the beginning of a malignant tumor.

3. IN-UTERO EFFECT:

It may lead to malformation in the fetus. A pregnant woman and the fetus both are vulnerable because of the fact that radio frequency radiations continuously react with the developing

embryo and increasing cells. Radiations can damage the placental barrier; the membrane which prevents the passage of some material between the maternal and fetal blood and protecting the fetus. Radiation is a physical teratogenic agent.

4. *EFFECTS ON CHILDREN:*

Children are more vulnerable to ill effects of radiations because of the longer life time exposure and their immune system is not as well developed as adults and the cells reproduce more quickly than adults which make cancers more deadly. *Dental disturbances* and bone deformities are observed.

5. *MOUTH PROBLEMS:*

Salivary gland- functional impairment results in impeded oral functioning, a burning sensation, cracked lips, and increased susceptibility to oral infections and dental caries.

Taste- Alteration in taste is a direct effect of radiation on the papillae and the taste buds of the tongue which can lead to aversion to food, reduced intake of food and nutritional deficits, ultimately resulting in weight loss and, in severe cases, malnutrition, weakness and susceptibility to infection.

6. *SKIN:*

Effects on the skin include erythematic (reddening like sunburn), dry desquamation (peeling), and moist desquamation (blistering), Cataracts (a clouding of the lens of the eye), premature aging of the skin, suppression of the immune system, damage to the eyes and skin cancer.

7. *MOST COMMON ILL EFFECTS:*

Depression, discomfort, irritability, Sleep disruption, fatigue, headache, light-headedness, heat, earaches, blurry vision, pain or difficulty with swallowing diarrhea, nausea & vomiting, cough, shortness of breath, palpitations of the heart hair loss in the treated area. Muscle spasms, numbness, tingling, altered reflexes, nervousness, agitation, seizures, paralysis, psychosis and stroke are related to changes in the electrical activity of the brain due to exposure to radiations. *Recent studies showed that the cell phone radiations can drastically affect male fertility.*

HOMOEOPATHY

The compass of homeopathy in treating the side effects of radiations is simply the best. Most of the ongoing research in the radiotherapy focused on the diagnosis or treatment of single symptoms at the cost of patient health or used complexes (combination remedies) in a 'shot gun' approach but homeopathy is at its best when the individual's cluster of symptoms is treated by a matching remedy rather than different remedies prescribed to treat those symptoms one by one.

The source of radiation is natural or man-made; either it is a small dose or a large dose; there will be some biological effects.

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