

Historical Research showing Fluorides effects on Genetics

1933 According to a study by Freni in 1994 (71), in 1933 and again in 1984 that fluorides produce cumulative generational effects on biological organisms.

1956 Tabulating the 687 urban cases, he finds a **two-fold statistically significant greater prevalence** or risk of **mongoloid births** in communities **with 1 ppm** or more in the water.

The incidence of the birth defect increases as the fluoride content of the water increases. This is the only study of its kind to include maternal data { Bulletin of the Academy of National Medicine, Paris, Vol 140, pp.529-531}

1958 fluorides produce primary damage by injuring the genetic material of the cells they enter. [Muller, Symposium on Emphysema and Chronic Bronchitis: "Do Air Pollutants Act as Mutagens?", Aspen, Colorado, June 13-15, 1958]

1959 Rapaport a highly significant association between the frequency of Down's Syndrome and the fluoride content of the mother's drinking water.

1959 the incidence of Mongolism in cities in Wisconsin, Illinois and the Dakotas published in 1959 in the official publication of the French Academy of Medicine, it was found that as the percentage of fluorides in the water rose, there was a parallel rise in the incidence of Mongoloid births the age of the mothers giving birth to Mongoloid babies also declined with rising fluoride levels. It is interesting that in the first three years of fluoridation, New Britain, Connecticut experienced a 150% rise in still births.

1960 ...As fluorine is a known active enzyme poison, it is known to affect cell division (mitotic) in the fetus, resulting in anatomical anomalies (teratism).

1968 A study at the University of Missouri shows that fluoride causes genetic damage to tomatoes.

1968 Scientists at the University of Holland, Drs. Mukherjee and Sobels, find that fluorides increase the frequency of genetic damage in sperm cells of lab animals exposed to X-rays. Fluorides inhibited the repair of DNA damaged by radiation.

1973 Russian Research Institute of Industrial Health and Occupational Diseases discovers fluorides cause genetic damage in rats.

1973 A study at the Central Laboratory for Mutagen Testing in West Germany shows that fluorides cause genetic damage to fruit flies.

1973 A study at Texas A&M University shows that fluorides cause genetic damage to barley.

1974 Columbia University College of Physicians and Surgeons discovers fluoride causes genetic damage, in rodents, sheep and cows.

1978 Pomeranian Medical Academy in Poland discovers that fluorides cause genetic damage in human blood cells.

1981 Institute of Botany in Baku, USSR, does three studies which indicate fluoride causes genetic damage in rats.

1981 Research is done at the Department of Toxicology at the Central University of Venezuela by Dr. A lares showing fluoride added to drinking water of rats caused birth defects. Repeated in 1982 in China, with same results.

1982 A study at the University of Missouri concludes that fluoride causes genetic damage in mice.

1983 Zhang and Zhang publish a study which shows that fluorides cause birth defects in fish.

1984 Research work at Nippon Dental University in Japan prove that fluorides cause genetic damage in hamster cells, human embryo and blood cells. Research also indicated that fluoride was also capable of transforming normal cells into cancer cells

1985 Research is conducted by the Edinburgh Medical Research Council in England which indicates that fluoride causes genetic damage in human blood cells.

1986 Research is conducted at the University of Sussex in England which indicates that fluoride causes genetic damage in mouse lymphoma (white) cells.

1987 Paterson Institute for Cancer Research in England demonstrates that fluoride causes genetic damage to human cells.

1987 In the United States, research is conducted at the National Institute of Environmental Health which indicates that fluoride causes genetic damage to mouse lymphoma cells.

1987 Research is conducted at Imperial Chemical Industries (ICI) in England which indicates that fluorides cause genetic damage in human blood cells.

1987 A study is done at the Institute of Pitaniia in the USSR which indicates that fluoride causes genetic damage in rat bone marrow cells.

1989 Research studies are conducted at Nippon University in Japan which shows that fluorides causes genetic damage to human cell cultures.

1992 Chinese research at the Department of Pathology, Guiyang Medical College, finds cellular abnormalities in fetal brain tissue exposed to fluorides.

1993 fluoride is genotoxic (indicating chromosome damage), including those at concentrations of 1.0 – 5.0 ppm. [Ziegler et al, Experimental Carcinogenesis and Mutagenesis Branch, National Institute for Environmental Health Sciences, "Genetic

Toxicity of Fluoride", Environmental and Molecular Mutagenesis, Vol 21, 1993,
p.309-318.

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