

Etudes sur l'impact pour la santé de la consommation d'aliments irradiés

Anderson, D. et al. "Irradiated laboratory animal diets: Dominant lethal studies in the mouse." *Mutation Research*, 80:333-345, 1981.

Bhaskaram, C., and G. Sadasivan. "Effects of feeding irradiated wheat to malnourished children." *American Journal Clinical Nutrition*, 28:130-135, 1975.

Biagini, C. et al. "Growth and fertility of mice fed an irradiated diet for two years. *G Med Milit*, 117 117:347-368, 1967.

Bugyaki, L., A.R. Deschreider, J. Moutschen, M. Moutschen-Dahmen, A. Thijs, and A. Lafontaine. "Do irradiated foodstuffs have a radiomimetic effect? II. Trials with mice fed wheat meal irradiated at 5 Mrad." *Atompraxis* 14:112-118, 1968.

Burnouf, D. ; Delincée, H. ; Hartwig A. ; Marchioni, E. ; Miesch, M. ; Raul, F. ; Werner, D. ; Etude toxicologique transfrontalière destinée à évaluer le risque encouru lors de la consommation d'aliments gras ionisés ; Rapport final INTERREG II ; Projet N° 3.171 ; Karlsruhe, 2002.

Diehl, J.F. "Combined effects of irradiation, storage and cooking on the Vitamin E and Vitamin B 1 levels of foods." Presented at the 33rd Annual Meeting of the American Institute of Nutrition, 1969.

Diehl, J.F. "Vitamin A in irradiated foodstuffs." *Zeitschrift fuer Lebensmittel-Untersuchung und Forschung*, 168:29-31, 1979. Cited in Stevenson, M.H., "Nutritional and other implications of irradiating meat." *Proceedings of the Nutrition Society* , 53:317-325, 1994.

Hanis, T. et al. "Poultry meat irradiation: effect of temperature on chemical changes and inactivation of microorganisms." *Journal of Food Protection*, 1989. Cited in Kilcast, 1994.

Jaarma, Maire. "Studies of chemicals and enzymatical changes in potato tubers and some higher plants caused by ionizing radiation, including studies on the wholesomeness of a-irradiated potato tubers and effects on some carbohydrates in vitro." *Biokemiska institutionen, Klng. Universitetet i Stockholm*, 1967.

Janave, M. T. and Thomas, P. "Influence of post-harvest storage of potato carotenoids." *Potato Research*, 22:365-9, 1979. Cited in Kilcast, 1994.

Johnston-Arthur T., M. Brena-Valle, K. Turanitz, R. Hruby, and G. Stehlik. "Mutagenicity of irradiated food in the host mediated assay system." *Studia Biophysica, Berlin* 50:137-141, 1975.

Johnston-Arthur, V.T. et al. Investigation on irradiated standard diets and their extract components on the possible mutagenic effect in the 'Host Mediated Assay' using *Salmonella typhimurium* G 46 and TA 1530." *Die Bodenkultur*, 30:95-107, 1979.

Joner, P.E. and Underdal, B. "Mutagenicity testing of irradiated herring fillets." *Lebensm Wiss & Technol*, 13:293-296, 1980.

- Kesavan, P.C. and Swaminathan, M.S. "Cytotoxic and mutagenic effects of irradiated substrates and food material." *Radiation Botany*, 11:253-281, 1971.
- Kilcast, D. "Effect of radiation on vitamins." *Food Chemistry*, 49:157-164, 1994. Ranking of vitamin sensitivity to radiation: High: C, B 1, E, A; Medium: beta-carotene and K; Low: D, B 2, B 6, B 12, B 5, Folic acid, Pantothenic Acid, B 10, Choline.
- Koch, F. et al. "Effect of feeding 10 kGy irradiated barley on hematological and lipid metabolism parameters in growing quail. BFE-R-93-03. In *Lebensmittelbestrahlung 2. Gesamtdeutsche Tagung, Bundesforschungsanstalt für Ernährung, Karlsruhe, 1993*.
- Lang, K. "Toxicity of irradiated fat." *Food Cosmet Toxicol*, 1:125, 1963.
- Lofroth, G. "Toxic effects of irradiated foods" *Nature*, 211:302, 1966.
- Malhotra, O.P. and Reber, E.F. "Methionine and testosterone effect occurrence of hemorrhagic diathesis in rats." *Am J Physiol*, 205:1089-1092, 1963.
- Malhotra, O.P. and Reber, E.F. "Effect of methionine and age of rats on the occurrence of hemorrhagic diathesis in rats fed a ration containing irradiated beef. *J Nutr*, 80:85-90, 1963.
- Malhotra, O.P. and Reber, E.F. "Effect of methionine and vitamin K 3 on hemorrhages induced by feeding a ration containing irradiated beef." *Toxicol Appl Pharm*, 7:402-408, 1965.
- Mellette, S.J. and Leone, L.A. "Influence of age, sex, strain of rat and fat soluble vitamins on hemorrhagic syndromes in rats fed irradiated beef." *Federation Proceedings*, 19:1045-1048, 1960.
- Metta, V.C. et al. "Vitamin K deficiency in rats induced by feeding of irradiated beef." *Journal of Nutrition*, 69:18-21, 1959. (Co-sponsored by the Surgeon General of the U.S. Army)
- Metwalli, O.M. "Study on the effect of food irradiation on some blood serum enzymes in rats. *Z Ernährungswiss*, 16:18-21, 1977.
- Moutschen-Dahmen, M. et al. Pre-implantation death of mouse eggs caused by irradiated food. *International Journal of Radiation Biology*, 18:201-216, 1970.
- Phillips, A.W. et al. Long-term Rat Feeding Studies – Irradiated Chicken Stew and Cabbage. U.S. Army Contract DA-49-007-MD-783, 1961.
- Plough, I.C. et al. "An evaluation in human beings of the acceptability, digestibility and toxicity of pork sterilized by gamma radiation and stored at roomtemperature." U.S. Army Medical Nutrition Laboratory, Fitzsimons Army Hospital, Denver, Report N° 224, July 1958.
- Poling, C.E. et al. "Growth, reproduction, survival and histopathology of rats fed beef irradiated with electrons." *Food Research*, 20:193-214, 1955.

- Porter, G. and Festing, M. "A comparison between irradiated and autoclaved diets for breeding mice with observations on palatability." *Lab Anim*, 4:203-231, 1970.
- Raltech Scientific Services Inc., Madison, Wisconsin. "Final Report: Evaluation of the mutagenicity of irradiated steilized chicken by the sex-linked recessive lethal test in *Drosophila melanogaster*." Contract DAMD 17-76-C-6047, submitted to U.S. Army Medical Research and Development Command, Fort Detrick, Frederick, Maryland. June 15, 1979.
- Read, M.S. et al. "Short-term rat-feeding studies with gamma-irradiated food products – II. Beef and pork at elevated temperature." *Toxicol Appl Pharm*, 1:417-425, 1959.
- Read, M.S. et al. "Successive generation rat-feeding studies with a composite diet of gamma-irradiated foods." *Toxicol Appl Pharm*, 3:153-173, 1961.
- Reichelt, D. et al. "Long-term animal feeding study for testing the wholesomeness of an irradiated diet with a high content of free radicals." Federal Research Institute for Food Preservation, Institute for Radiation Technology, Karlsruhe, Germany, 1972.
- Renner, H.W. "Chromosome studies on bone marrow cells of chinese hamsters fed a radiosterilized diet." *Toxicology*, 8:213-222, 1977.
- Renner, H.W. et al. "An investigation of the genetic toxicology of irradiated foodstuffs using short-term test systems. III – In vivo tests in small rodents and in *Drosophila melanogaster*." *Food Chemistry and Toxicology*, 20:867-878, 1982.
- Rinehart, R.R. and Ratty, F.J. "Mutation in *Drosophila melanogaster* cultured on irradiated whole food or food components." *International Journal of Radiation Biology*, 12(4):347-354, 1967.
- Rinehart, R.R. and Ratty, F.J. "Mutation in *Drosophila melanogaster* cultured on irradiated food." *Genetics*, 52(6):1119-1126, 1965.
- Rojo, M.M.I. and Fernandez, C.M. "Induction and reversion process of molecular and cytological alterations after highly irradiated food ingestion in mice." *Nucleotecnica.*, 4(6):48-54, 1984.
- Schubert, J. "Mutagenicity and cytotoxicity of irradiated foods and food components." *Bulletin of the World Health Organization*, 41:873-904, 1969.
- Shaw, M.W. and Hayes, E. "Effects of irradiated sucrose on the chromosomes of human lymphocytes in vitro." *Nature*, 211:1254-1255, 1966.
- Smid, K. et al. "Effect of radiation-treated feeds on some biochemical indicators of nutrition level achieved with energy nutrients." *Vet Med*, 30(9):531-541, 1985.
- Spiher, A.T. "Food irradiation: An FDA report." *FDA Papers*, Oct. 1968.
- Tinsley, I.J. et al. "The growth, reproduction, longevity, and histopathology of rats fed gamma-irradiated carrots." *Toxicology and Applied Pharmacology*, 16:306-317, 1970.

Swaminathan, M.S. et al. "Mutations: Incidence in *Drosophila melanogaster* reared on irradiated medium." *Science*, 141:637-638, 1963.

Tritsch, G.L. "Food irradiation" *Nutrition*, 16:698-701, 2000.

Urbain, W.M. *Advanced Food Research*, 24:155-227, 1978. Cited in Murray, D.R., *Biology of Food Irradiation*, Somerset, England: Research Studies Press, 1990.

Verschuuren, H.G. et al. "Ninety-day rat feeding study on irradiated strawberries." *Food Irrad*, 7(1-2):A17-A21, 1966.

Vijayalaxmi. "Cytogenetic studies in monkeys fed irradiated wheat." *Toxicology* 9:181-184, 1978. Lofroth, G. et al. "Biological effects of irradiated food. II: Chemical and biological studies of compounds distilled from irradiated food." *Arkiv Zool* 18:529-547, 1966.

Vijayalaxmi. "Genetic effects of feeding irradiated wheat to mice." *Canadian Journal of Genetics and Cytology*, 18:231-238, 1976.

Vijayalaxmi and G. Sadasivan. "Chromosomal aberrations in rats fed irradiated wheat." *Int Jour Rad Biol*, 27:135-142, 1975.

Vijayalaxmi and K.V. Rao. "Dominant lethal mutations in rats fed on irradiated wheat." *Int Jour Rad Biol*, 29:93-98, 1976.

Vijayalaxmi. "Immune response in rats given irradiated wheat." *British Journal of Nutrition*, 40:535-541, 1978.

Webb, T. and Lang, T. *Food Irradiation - The Facts*. Rochester, Vermont: Thorsons Publishing Group, 1987.