

F.CLARKE FRASER
M.D., Ph.D., F.R.S.(C), FRCPSC, FCCMG, DSc., O.C.
Professor Emeritus, Department of Human Genetics
McGill University, Montreal, Quebec, Canada

Date and Place

of Birth: March 29, 1920, Norwich, Connecticut, U.S.A.

Citizenship: Canadian

Education: B.Sc. (Honours Biology), Acadia University, 1940
M.Sc., McGill University, 1941
Ph.D., McGill University, 1945
M.D., C.M., McGill University, 1950

Experience: Lecturer, Genetics, McGill University, 1946;
Assistant Professor, Genetics, McGill University, 1950-55;
Associate Professor, Genetics, McGill University, 1955-60;
Professor, Genetics, McGill University, 1960-70;
Molson Professor of Genetics, Biology, McGill Univ., 1970-82;
Lecturer, Pediatrics, McGill University, 1954;
Associate Professor, Pediatrics, McGill University, 1970-73;
Professor, Pediatrics, McGill University, 1973-82;
Professor, McGill Centre for Human Genetics, 1979-82;
Director, Department of Medical Genetics, The Montreal
Children's Hospital, 1952-82;
Director, MRC Medical Genetics Group, McGill University and
The Montreal Children's Hospital, 1972-82;
Professor, Clinical Genetics, Pediatrics, Memorial University
of Newfoundland, 1982-85;
Professor Emeritus, McGill Department of Human Genetics, and
the Departments of Biology & Pediatrics, 1985-;
Deputy Director, Genetics working group, Royal Commission on
New Reproductive Technologies(1/2 time), 1990-92.

Professional Activities:

a) Professional Societies

Fellow, Royal Society of Canada, 1966
Fellow, Royal College of Physicians and Surgeons (Scientist), 1976
Fellow, Canadian College of Medical Geneticists, 1975
Member, American Society of Human Genetics
Member, Teratology Society
Member, Genetics Society of Canada
Member, Canadian Pediatric Society (Honorary)
Fellow (Honorary), American College of Medical Genetics, 1993

b) National and International Committees

Permanent Committee for International Conferences of Human Genetics, 1967-75;
Expert Committee on Occurrence of Congenital Anomalies, Department of National Health and Welfare, Canada, 1962-75;
National Institute of Health Genetics Study Section, U.S.A., 1961-65;
Genetics Training Committee, National Institute of General Medical Sciences, U.S.A., 1971-74;
World Health Organization Expert Advisory Committee on Human Genetics, 1963-82;
Committee on Mutagenic Hazards of Environmental Chemicals, Health and Welfare Canada/Environment Canada, 1977-83;
Environment Canada/Health and Welfare Canada Expert Advisory Committee on Dioxins, 1980-85;
Task Force on Chemicals in the Environment and Human Reproductive Problems in New Brunswick, 1982-85;
Health and Welfare Grants Committee on Chemistry, Toxicology and Genetics, 1982-86;
MRC Centennial Fellowships Committee, 1983-88;
Advisory Board, Centre for Birth Defects Information Services 1981-;
Scientific Advisory Committee to WHO Optimal Family Planning Program, Budapest, Hungary, 1984-;
MRC Peer Review Assessment Group, 1986-89;
Health and Welfare Epidemiology Grants Review Committee 1986-88;
ASHG Allen Award Committee 1986-89;
International Advisory Committee, VIIIth International Congress of Human Genetics, 1989-1991;
MRC Scientific Secretary, 1988-1990.

c) Official Positions

President - American Society of Human Genetics, 1961-62.
President - The Teratology Society, 1962-63.
Chairman, Medical Research Council Committee on Genetics, 1971-74.
Scientific Officer, Medical Research Council Grants Committee on Genetics, 1974-80.
Vice-President, International Birth Defects Congress Ltd., 1972-79.
General Chairman, Fourth International Conference on Birth Defects, Vienna, 1973.
Honorary President, Fifth International Conference on Birth Defects, Montreal, 1978.
Vice-President, Canadian College of Medical Geneticists, 1975-80.
President, Canadian College of Medical Geneticists, 1980-83.
Chair, Ethics and Public Policy Committee, Canadian College of Medical Geneticists, 1989-1999

d) Editorial Boards

American Journal of Medical Genetics
Developmental Pharmacology and Therapeutics
Journal of Clinical Dysmorphology
Journal of Craniofacial Genetics and Developmental Biology
Genetic Counselling
Human Heredity
McKusick's Catalog of Mendelian Inheritance in Man

Honours and Awards:

D.Sc. Honoris Causa, Acadia University, 1967.
Blackader Award, Canadian Medical Association, 1968.
Honours of the American Cleft Palate Association, 1974.
Medal of Honour, American Association of Plastic Surgeons, 1975.
Allen Award, American Society of Human Genetics, 1979.
Award of Excellence, Genetics Society of Canada, 1980.
Officer of the Order of Canada, 1985.
March of Dimes Award for Contribution in Field of Birth Defects, 1987.
Founder Award, Canadian College of Medical Geneticists, 1991.
Honorary Fellow, American College of Medical Genetics, 1993.
Lifetime Achievement Award, The Montreal Children's Hospital, Dec. 5, 1994.
D.Sc., Honoris Causa, State University of New York at Potsdam, May 6, 1995.
Naming of the F. Clarke Fraser Clinical Genetics Centre at The Montreal Children's Hospital, June 2, 1995.
Prix Michel Sarrazin du Club de recherches Cliniques du Quebec, Sept. 30, 1995.
Annual Clarke Fraser Award for Young Researchers instituted by The Teratology Society, 1997.
The Wilder Penfield Prix de Quebec, 1999.
The American Society of Human Genetics Award for Excellence in Education, 2000.
LLD Honoris Causa, Dalhousie University, 2003

Research interests:

Clinical genetics, genetic counselling, teratology

Graduate Students Supervised:

Shapiro, S.D.	M.Sc., 1945
Fainstat, T.D.	M.Sc., 1951
Metrakos, J.D.	Ph.D., 1951
Walker, B.E.	M.Sc., 1952, Ph.D., 1955
Kalter, H.	Ph.D., 1953
Clark, K.H.	M.Sc., 1956
Trasler, D.G.	Ph.D., 1958
Miller, J.R.	Ph.D., 1958
Mauer,	Ph.D., 1959
Rimoin, D.	M.Sc., 1961
Warburton, D.	Ph.D., 1961
Warburton, F.E.	Ph.D., 1963
Dallaire, L.	Ph.D., 1964
Davidson, J.G.	Ph.D., 1964
Goldstein, M.B.	M.Sc., 1964
Kallio, E.I.S.	M.Sc., 1964
Verrusio, A.C.	M.Sc., 1964, Ph.D., 1966
Andermann, E.	M.Sc., 1964

Harris, M.W.	M.Sc., 1965
Roth, K.	M.Sc., 1966
Glick, H.	M.Sc., 1966
Rosen, J.	M.Sc., 1968
Kratz, C.C.	M.Sc., 1967
Cox, D.	Ph.D., 1968
Pollard, D.R.	Ph.D., 1969
Pashayan, H.M.	M.Sc., 1970
Seegmiller, R.E.	Ph.D., 1970
Salter, E.	M.Sc., 1970
Hamly, C.-A.	M.Sc., 1971
Gold, R.	Ph.D., 1971
Chan, L.	M.Sc., 1971
Cote, G.	M.Sc., 1971
Perry, T.B.	M.Sc., 1971
Aaron, K.	M.Sc., 1971
Nishimura, Y.	M.Sc., 1973
Preus, M.	M.Sc., 1971, Ph.D., 1975
Theodosis, D.T.	Ph.D., 1974
Sadovnick, A.	M.Sc., 1974
Wright, A.	M.Sc., 1974
Wright, S.	M.Sc., 1975
Hunter, A.G.W.	M.Sc., 1976
Fabricant, J.	Ph.D., 1977
Hand, A.	Ph.D., 1977
Juriloff, D.M.	Ph.D., 1978
Strasfeld, M.	M.Sc., 1978
Sproule, J.R.	M.Sc., 1979
Vekemans, M.	Ph.D., 1981
Forse, R.A.	M.Sc., 1982
Glanz, A.	M.Sc., 1982
Herman, W.	M.Sc., 1981
Spraggett, K.	M.Sc., 1982
Thangavelu, M.	Ph.D., 1987
Arbour, L.	M.Sc., 1988
Gilbert, A.	M.Sc., 1991
Garabedian, B.	M.Sc., 1993

Publications

About 300 papers and 2 textbooks in the fields of Medical Genetics, Teratology, and Genetic Counselling

List of Publications:

1. STEINBERG, A.G., and Fraser, F.C. Studies on the effect of X chromosomes on crossing over in the third chromosome of *Drosophila melanogaster*. *Genetics* 29: 83-103, 1944.
2. STEINBERG, A.G., and Fraser, F.C. The expression and interaction of hereditary factors affecting hair growth in mice: External observations. *Can. J. Res. D.* 24: 1-9, 1946.
3. FRASER, F.C. The expression and interaction of hereditary factors producing hypotrichosis in the mouse: Histology and experimental results. *Can. J. Res. D.* 24: 10-25, 1946.
4. FRASER, F.C. The use of genetics in medical practice. *McGill Med. J.* 6:349-358, 1947.
5. BROWNING, H.C., Fraser, F.C., Shapiro, S.D., Glickman, I., and Dubrule, M. The biological activity of DDT and related compounds. *Can. J. Res. D.* 26: 282-300, 1948.
6. FRASER, F.C. The use of genetics in clinical medicine. II. Dominant inheritance. *McGill Med. J.* 18: 19-24, 1949.
7. FRASER, F.C. The effect of vitamin A on hereditary hyperkeratosis in the mouse. *Can. J. Res. D.* 27: 179-195, 1949.
8. FRASER, F.C. The use of genetics in clinical medicine. III. Recessive inheritance. *McGill Med. J.* 18: 176-182, 1949.
9. BOYES, J.W., Fraser, F.C., Lawler, S.D., and MacKenzie, H.J. A pedigree of hereditary progressive muscular dystrophy. *Ann. Eugen.* 15: 46-51, 1949.
10. FRASER, F.C., and Herer, M.L. The inheritance and expression of the "lens rupture" gene in the house mouse. *J. Hered.* 41: 3-7, 1950.
11. FRASER, F.C. The use of genetics in clinical medicine. IV. Sex-linked inheritance. *McGill Med. J.* 19: 194-198, 1950.
12. FRASER, F.C. The use of genetics in clinical medicine. V. On taking the family history. *McGill Med. J.* 20: 184-190, 1951.
13. FRASER, F.C., and Fainstat, T.D. The production of congenital defects in the offspring of pregnant mice treated with cortisone. A progress report. *Pediatrics* 8: 527-533, 1951.

14. FRASER, F.C., and Fainstat, T.D. Causes of congenital defects. A review. Am. J. Dis. Child. 82: 593-603, 1951.
15. FRASER, F.C. Consanguinity and its significance in the Family History. C.M.A.J. 66: 258-260, 1952.

16. KALTER, H., and Fraser, F.C. Production of congenital defects in the offspring of pregnant mice treated with compound F. *Nature* 169: 665, 1952.
17. FRASER, F.C. Cleft palate induced in mice by cortisone. Prematurity, congenital malformation and birth injury. Assoc. for the Aid of Crippled Children, New York, 1953, pp. 136-148
18. PENDER, C.B., and Fraser, F.C. Dominant inheritance of diabetes insipidus: a family study. *Pediatrics* 11: 246-254, 1953.
19. FRASER, F.C., Fainstat, T.D., and Kalter, H. The experimental production of congenital defects with particular reference to cleft palate. *Etudes Néonatales* 2: 43-58, 1953.
20. KALTER, H., and Fraser, F.C. The modification of the teratogenic action of cortisone by parity. *Science* 118: 625-626, 1953.
21. FRASER, F.C. Medical Genetics in pediatrics. *J. Ped.* 44: 85-103, 1954.
22. FRASER, F.C., and Scriver, J.B. A hereditary factor in chondrodystrophia calcificans congenita. *New England J. Med.* 250: 272-277, 1954.
23. FRASER, F.C., and Baxter, H. The familial distribution of congenital clefts of the lip and palate. *Am. J. Surg.* 87: 656-659, 1954.
24. FRASER, F.C., Kalter, H., Walker, B.E., and Fainstat, T.D. The experimental production of cleft palate with cortisone and other hormones. *J. Cell. Comp. Physiol.* 43: 237-259, 1954.
25. METRAKOS, J.D., and Fraser, F.C. Evidence for a hereditary factor in chondroectodermal dysplasia (Ellis-van Creveld syndrome). *Am. J. Hum. Gen.* 6(2): 260-269, 1954.
26. NAIMAN, J., and Fraser, F.C. Agenesis of the corpus callosum. A report of two cases in siblings. *A.M.A. Arch. Neurol. and Psychiat.* 74: 182-185, 1955.
27. FRASER, F.C. HéritÉ dominante d'un diabete insipide due ‡ une dÉficiency en pitressine. *J. GÉnÉt. Hum.* 4(4): 195-203, 1955.
28. FRASER, F.C. Dominant inheritance of absent nipples and breasts. Mendel Memorial Volume, Instituto Gregorio Mendel, Rome 1955, pp.360-362.
29. FRASER, F.C. Thoughts on the etiology of clefts of the palate and lip. *Acta Gen. et Stat. Med.* 5: 358-369, 1955.
30. FRASER, F.C. Heredity Counselling: The darker side. *Eug. Quart.* 3(1): 45-51, 1956.

31. TRASLER, D.G., Clark, K.H., and Fraser, F.C. No cleft palates in offspring of pregnant mice given cortisone after fetal palate closure. *J. Hered.* XLVII(2): 99-100, 1956.
32. WARKANY, J., and Fraser, F.C. The role of genetics and other prenatal factors in disorders of childhood. *Pediatrics* 18: 314-317, 1956.
33. TRASLER, D.G., Walker, B.E., and Fraser, F.C. Congenital malformations produced by amniotic-sac puncture. *Science* 124(3219): 439, 1956.
34. WALKER, B.E., and Fraser, F.C. Closure of the secondary palate in three strains of mice. *J. Embryol. Exp. Morph.* 4(2): 176-189, 1956.
35. METRAKOS, J.D., Metrakos, K., and Fraser, F.C. Juvenile epilepsy: genetic and electroencephalographic studies. *Electroenceph. and C1 in Neurophysiol.* 8(1): 164, 1956.
36. GOLDBLOOM, R.B., Fraser, F.C., Waugh, D., Aronovitch, M., and Wigglesworth, F.W. Hereditary renal disease associated with nerve deafness and ocular lesions. *Pediatrics* 20(2): 241-252, 1957.
37. WALKER, B.E., and Fraser, F.C. The embryology of cortisone-induced cleft palate. *J. Embryol. Exp. Morph.* 8(2): 201-209, 1957.
38. FRASER, F.C., Walker, B.E., and Trasler, D.G. Experimental production of congenital cleft palate: genetic and environmental factors. *Pediatrics* 19, Pt.II(4): 782-787, 1957.
39. FRASER, F.C. Antenatal factors in congenital defects. Problems and pitfalls. *Proc. Genet. Soc. Can.* 2: 37-38, 1957.
40. FRASER, F.C. Genetic background of congenital malformations. Rep. of 23rd Ross Pediatric Res. Conf., 1957, pp.59-63.
41. TRASLER, D.G., and Fraser, F.C. A morphological basis for strain difference in frequency of cortisone-induced cleft palate in mice. *Proc. Genet. Soc. Can.* 2: 39, 1957.
42. FRASER, F.C. Etiological factors in clefts of the palate and lip. *Acta Gen. et Stat. Med.* 7(Sep.1): 229-230, 1957.
43. FRASER, F.C. Review of "Heritable disorders of connective tissue" by V. McKusick. Mosby Co., St. Louis, 1956. *Eugen. Quart.* 4(3): 168-170, 1957.
44. FRASER, F.C. Types of problems presented to genetic counselors. *Eugen. Quart.* 5(1): 46-47, 1958.
45. FRASER, F.C. Genetic counselling in some common paediatric diseases. *Ped. Clin. of North Amer.*, May 1958, pp.475-491.

46. FRASER, F.C. Recent advances in genetics in relation to pediatrics. *J. Ped.* 52(6): 734-757, 1958.
47. FRASER, F.C. Human genetics in Eastern Canada. *Proc. Genet. Soc. Can.* 3: 68-69, 1958.
48. TRASLER, D.G., and Fraser, F.C. Factors underlying strain, reciprocal cross, and maternal weight differences in embryo susceptibility to cortisone-induced cleft palate in mice. *Proc. X Int. Cong. Genet.* 2: 296-297, 1958.
49. HEIBERG, K., Kalter, H., and Fraser, F.C. Production of cleft palates in the offspring of mice treated with ACTH during pregnancy. *Biol. Neonat.* 1(1): 33-37, 1959.
50. WARBURTON, D., and Fraser, F.C. Genetic aspects of abortion. *Clin. Obstet. and Gynec.* 2(1): 22-35, 1959.
51. FRASER, F.C. Antenatal factors in congenital defects. Problems and pitfalls. *New York State J. Med.* 59(8): 1597-1605, Apr. 15, 1959.
52. PINSKY, L., and Fraser, F.C. Production of skeletal malformations in the offspring of pregnant mice treated with 6-aminonicotinamide. *Biol. Neonat.* 1(2):106-112, 1959.
53. WARKANY, J., and Fraser, F.C. Prenatal factors in diseases of children. *Textbook of Pediatrics.* W.E. Nelson (Ed.). W.B. Saunders Co., Philadelphia, 1959, pp.234-250.
54. FRASER, F.C. Rapport 1e Xeme CongrÈs International de GÈnÈtique. *J. GÈnÈt. Hum.* 7(4): 315-323, 1958.
55. FRASER, F.C. Causes of congenital malformations in human beings. *J. Chron. Dis.* 10(2): 97-110, 1959.
56. FRASER, F.C. Genetic factors in deafness. *Voice* 2(1): 4-8, 1959.
57. FRASER, F.C. What is the embryological basis for cleft lip and palate? *Modern Medicine* 27(15): 33-34, 1959.
58. FRASER, F.C. Genetics and Medical Practice. *Modern Medicine of Canada* 15: 69-73, 1960.
59. FRASER, F.C. Some experimental and clinical studies on the causes of congenital clefts of the palate and of the lip. *Arch. Ped.* 77: 151-156, 1960.
60. PINSKY, L., and Fraser, F.C. Congenital Malformations after a two-hour inactivation of nicotinamide in pregnant mice. *Brit. Med. J.* II: 195-197, 1960.

61. FISHMAN, J., Fraser, F.C., Watanabe, M., Sodhi, H.S., and Beck, J.C. Familial nerve deafness and goitre. *Can. Med. Assoc. J.* 83: 889-892, 1960.
62. MILLER, J.R., and Fraser, F.C. The First International Conference on Congenital Malformations. *Can. Med. Assoc. J.* 84: 60-63, 1961.
63. FRASER, F.C. Experimental induction of cleft palate. In: "Congenital anomalies of the face and associated structures". S. Pruzansky (Ed.). Chas. C. Thomas, Springfield, Ill., 1961, pp.188-197.
64. FRASER, F.C. The use of teratogens in the analysis of abnormal developmental mechanisms. First Intern. Conf. Congenital Malformations. M. Fishbein (Ed.). J.B. Lippincott Co., Philadelphia, 1961, pp.179-186.
65. FRASER, F.C. Genetics and Congenital Malformations. In: "Progress in Medical Genetics". A.G. Steinberg (Ed.). Grune and Stratton, Inc., New York, 1961, pp.38-80.
66. FRASER, F.C. Congenital defects -- Intrinsic and Extrinsic Factors. *Acad. Med. Bull.* 7(3): 11pp., 1961.
67. FRASER, F.C. Congenital clefts of the face. "De Genetica Medica". L. Gedda (Ed.). Istituto "Gregorio Mendel", Rome, 1961.
68. WARBURTON, D., and Fraser, F.C. On the probability that a woman who has had a spontaneous abortion will abort in subsequent pregnancies. *J. Obst. Gynaec. Brit. Commonwlth.* 68(5): 784-788, 1961.
69. CURTIS, E., Fraser, F.C., and Warburton, D. Congenital cleft lip and palate. Risk figures for counselling. *A.M.A.J. Dis. Child.* 102(6): 853-857, 1961.
70. MILLER, J.R., Fraser, F.C., and MacEwan, D.W. The frequency of spina bifida occulta and rib anomalies in the parents of children with spina bifida aperta and meningocele. *Am. J. Hum. Genet.* 14(3): 245-248, 1962.
71. FRASER, F.C., and others. The teaching of genetics in the undergraduate medical curriculum and in post-graduate training. W.H.O. Technical Report Series No.238, 1962.
72. WARBURTON, D., Trasler, D.G., Naylor, A., Miller, J.R., and Fraser, F.C. Pitfalls in tests for teratogenicity. *Lancet*, Nov.24, 1962, pp.1116-1117.
73. FRASER, F.C. Drug-induced teratogenesis. *Can. Med. Assoc. J.* 87: 683-684, 1962.
74. FRASER, F.C., and Schabtach, G. "Shrivelled": a hereditary degeneration of the lens in the house mouse. *Genet. Res. Camb.* 3: 383-387, 1962. pp.129-134.
76. FRASER, F.C. Letter to Editor. *Brit. Med. J.*, August 1962, p.479.
77. FRASER, F.C. On Being a Medical Geneticist. *Am. J. Hum. Genet.* 15(1): 1-10, 1963.

78. TRASLER, D.G., and Fraser, F.C. Role of the tongue in producing cleft palate in mice with spontaneous cleft lip. *Dev. Biol.* 6(1): 45-60, 1963.
79. FRASER, F.C. Harelip and cleft palate. In: "Birth Defects". M. Fishbein (Ed.). J.B. Lippincott Company, Philadelphia and Montreal, 1963, pp.235-244.
80. FRASER, F.C. Recent knowledge in the pathogenesis of congenital anomalies. Institute on the Development of Community Health Services for Children with Congenital Anomalies, Ann Arbor, Oct.21-25, 1963, pp.16-27.
81. FRASER, F.C. Taking the Family History. *Amer. J. Med.* 34 (5): 585-593, 1963.
82. GOLDSTEIN, M., Pinsky, M.F., and Fraser, F.C. Genetically determined organ specific responses to the teratogenic action of 6-aminonicotinamide in the mouse. *Gen. Res. Camb.* 4(2): 258-265, 1963.
83. FRASER, F.C. Methodology of experimental mammalian teratology. In:"Methodology in Mammalian Genetics". W.J. Burdette (Ed.). Holden-Day Inc., San Francisco, 1963, pp.233-246.
84. FRASER, F.C. Report. Conference on Prenatal Effects of Drugs. Commission on Drug Safety, Chicago, Mar.29-30, 1963, pp.11-12.
85. FRASER, F.C. Experimental teratogenesis in relation to congenital malformations in man. *Proc. Second Intern. Conf. Congenital Malformations.* M. Fishbein (Ed.). J.B. Lippincott Co., Philadelphia, 1964, pp.277-287.
86. FRASER, F.C. Hereditary disorders of the nose and mouth. *Proc. Second Intern. Cong. Human Genetics* III(3): 1852-1855, 1963. Instituto Gregorio Mendel, Rome.
87. FRASER, F.C., and Warburton, D. No association of emotional stress or vitamin supplement during pregnancy to cleft lip or palate in man. *J. Plast. Reconstr. Surg.* 33(4): 395-399, 1964.
88. WARBURTON, D., and Fraser, F.C. Spontaneous abortion risks in man: Data from reproductive histories collected in a Medical Genetics Unit. *Hum. Gen.* 16(1): 1-25, 1964.

89. WARKANY, J., and Fraser, F.C. Prenatal factors in diseases of children. Textbook of Pediatrics, 8th Ed. W.E. Nelson (Ed.). W.B. Saunders Company, Philadelphia, 1964, pp.260-279.
90. FRASER, F.C. Teratogenesis of the central nervous system. In: "Mental Retardation: A review of research". H.E. Stevens and R. Heber (Eds.). University of Chicago Press, Chicago, 1964, pp.395-428.
91. DALLAIRE, L., and Fraser, F.C. Two unusual cases of familial mongolism. Can. J. Gen. and Cytol. 6(4): 540-547, 1964.
92. FRASER, F.C. Some genetic aspects of teratology. "Teratology", Chapter 2. Wilson and Warkany (Eds.). University of Chicago Press, 1965, pp.21-38.
93. GOLDSTEIN, M., Fraser, F.C., and Roth, K. Resistance of A/Jax mouse embryos with spontaneous congenital cleft lip to the lethal effect of 6-aminonicotinamide. J. Med. Gen. 2(2): 128-130, 1965.
94. TADJOEDIN, M.K., and Fraser, F.C. Heredity of ataxia-telangiectasia (Louis Bar syndrome). Amer. J. Dis. Child. 110(1): 64-68, 1965.
95. FRASER, F.C. Some teratological implications of quasi-continuous variation. Proc. 5th Annual Meeting, the Teratology Society, 1965.
96. NORA, J.J., Trasler, D.G., and Fraser, F.C. Malformations in mice induced by dexamphetamine sulphate. Lancet II: 1021-1022, 1965.
97. KALLIO, E.I.S., Bacal, H.L., Eisen, A., and Fraser, F.C. A familial tendency toward skin sensitivity to ragweed pollen. J. Allergy 38(4): 241-249, 1966.
98. DALLAIRE, L., and Fraser, F.C. The syndrome of retardation with urogenital and skeletal anomalies in siblings. J. Ped. 69(3): 459-460, 1966.
99. FRASER, F.C. Impact on the family of a child with a genetically determined disease. Proc. IIIrd Intern. Cong. Hum. Genet., Chicago, 1966, pp.33-34 (Abst.).
100. VERRUSIO, A.C., and Fraser, F.C. Identity of mutant genes "Shrivelled" and cataracta congenita subcapsularis in the mouse. Genet. Res. 8: 377-378, 1966.
101. WILLIAMS, M., and Fraser, F.C. Hydrotic ectodermal dysplasia -- Clouston's family revisited. Can. Med. Assoc. J. 96: 36-38, 1967.
102. FRASER, F.C., Chew, D., and Verrusio, A.C. Oligohydramnios and cortisone-induced cleft palate in the mouse. Nature 214(5086): 417-418, 1967.103. NORA, J.J., McNamara, D.G., and Fraser, F.C. Dexamphetamine sulphate and human malformations. Lancet I: 570-571, 1967.

104. NORA, J.J., McNamara, D.G., and Fraser, F.C. Hereditary factors in atrial septal defect. *Circulation* XXXV: 448-456, March 1967.
105. FRASER, F.C. Workshop on embryology of cleft lip and cleft palate (1). *Science* 158: 1603-1606, 1967.
106. VERRUSIO, A.C., Pollard, D.R., and Fraser, F.C. A cytoplasmically transmitted, diet-dependent difference in response to the teratogenic effects of 6-aminonicotinamide. *Science* 160: 206-207, 1968.
107. FRASER, F.C., and Latour, A. Birth rates in families following birth of a child with mongolism. *Amer. J. Ment. Def.* 72(6): 883-886, 1968.
108. FRASER, F.C. Genetic counselling and the Physician (The Blackader Lecture 1968). *Can. Med. Assoc. J.* 99: 927-934, 1968.
109. FRASER, F.C. Genetic factors in experimental teratology. *Congenital Anomalies* 8(2): 78-79, 1968. (Japan)
110. POLLARD, D.R., and Fraser, F.C. Further studies on a cytoplasmically transmitted difference in response to the teratogen 6-aminonicotinamide. *Teratology* 1: 335-338, 1968.
111. HARRIS, M.W., and Fraser, F.C. Lid gap in newborn mice: A study of its cause and prevention. *Teratology* 1: 417-423, 1968.
112. NORA, J.J., Sommerville, R.J., and Fraser, F.C. Homologies for congenital heart diseases: murine models, influenced by dextroamphetamine. *Teratology* 1: 413-416, 1968.
113. FRASER, F.C. Are salicylates teratogenic? *Proc. Conf. on Effects of Chronic salicylate administration. U.S.D.H.E.W., Washington, 1968, pp.97ff.*
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