

The Publications of Donald Mainland

Compiled by Doug Altman

Books

Mainland D. *The treatment of clinical and laboratory data: An introduction to statistical ideas and methods for medical and dental workers*. Edinburgh: Oliver and Boyd Ltd, 1938.

Mainland D. *Anatomy as a basis for medical and dental practice*. London: Hamish Hamilton, 1945 and New York, NY: Paul B Hoeber Inc., 1945. (863pp)

Mainland D. *Statistical methods in medical research. I. Qualitative statistics (enumeration data)*. National Research Council of Canada, 1948. [Reprinted from *Can J Res E* 1948;26:1-166.]

Mainland D. *Elementary medical statistics: the principles of quantitative medicine*. Philadelphia, WB Saunders Co, 1952.¹

Translation

Mainland D. *Estadística médica*. Brasil Editorial Interamericana, 1963 [Portuguese?]

Mainland D, Herrera L, Sutcliffe M. *Statistical tables for use with binomial samples – contingency tests, confidence limits and sample size estimates*. Department of Medical Statistics, New York University College of Medicine, 1956. (xix + 83pp)² [Includes 14 pages of introductory text]

Mainland D. *Elementary medical statistics: the principles of quantitative medicine*. 2nd edition. Philadelphia: WB Saunders Co, 1963.

Republished

Miller MC III ed. *Mainland's elementary medical statistics*. Biometry Imprint Series, vol. 3. Biometry Imprint Series Press. Distributed by University Microfilms, Ann Arbor, MI, 1978 [ISBN: 0-8357-0349-5]

Translation

Mainland D. *Estadística médica*. 2a. ed. Interamericana: México, 1966. [Spanish]

Mainland D [ed]. *Health services research I & II*. New York: Milbank Memorial Fund, 1966. [*The Milbank Memorial Fund Quarterly*, Vol. 44, No. 4, Part 2: Health Services Research II. A Series of Papers Commissioned by the Health Services Research Study Section of the United States Public Health Service. Discussed at a Conference Held in Chicago, Oct 15-16, 1965 and New York City, May 6-7, 1966.] [Includes forewords by Mainland: p7-9 in vol I and p9-11 in vol II.]

Mainland D. *Mainland's notes on biometry in medical research*. (Edited by MC Miller III) [104 items in 13 Monographs, 1967 to 1970, published by Veterans Administration, Washington DC]. Ann Arbor, MI: Biometry Imprint Series Press, 1978. (Distributed by University Microfilms International)

Mainland D. *Notes from a laboratory of medical statistics. Volumes I and II*. (Edited by MC Miller III) [A series of 145 mimeographed notes distributed by the author (1959 to 1966)]. Ann Arbor, MI: Biometry Imprint Series Press, 1979. (Distributed by University Microfilms International)

Mainland D. *Mainland's statistical ward rounds*. (Edited by MC Miller III) [18 articles reprinted from *Clinical Pharmacology and Therapeutics* 1967 to 1969]. Ann Arbor, MI: Biometry Imprint Series Press, 1979. (Distributed by University Microfilms International)

¹ Whole book scanned at [http://babel.hathitrust.org/cgi/pt?id=uc1.\\$b659118](http://babel.hathitrust.org/cgi/pt?id=uc1.$b659118)

² Available at <http://babel.hathitrust.org/cgi/pt?id=mdp.39015003801209:seq=9:view=1up>

Book chapters

A collection of contributed chapters in:

Steele JM [ed]. *Methods in medical research*. vol. 6. Chicago: Year Book Publishers Inc., 1954³ with the collective title of *Statistics in medical research*:

Mainland D. Introduction. *Methods Med Res* 1954;6:121-6.

Mainland D. Chance and random sampling. *Methods Med Res* 1954;6:127-37.

Mainland D. The planning of investigations. *Methods Med Res* 1954;6:138-45.

Herrera L, Mainland D. Analysis in relation to planning. *Methods Med Res* 1954;6:146-51.

Mainland D. The modern method of clinical trial. *Methods Med Res* 1954;6:152-8.

Mainland D, Herrera L. Clinical surveys. *Methods Med Res* 1954;6:159-71.

Mainland D. Some undesirable effects of laboratory tradition. *Methods Med Res* 1954;6:172-83.

Mainland D, Herrera L. Independent individuals. *Methods Med Res* 1954;6:184-90.

Mainland D. Confidence limits. *Methods Med Res* 1954;6:191-4.

Mainland D. Standards of significance. *Methods Med Res* 1954;6:195-8.

Mainland D. Standard deviations and standard errors. *Methods Med Res* 1954;6:199-200.

Mainland D, Herrera L. Sample sizes. *Methods Med Res* 1954;6:201-8.

Mainland D. Nonmetrical tests of measurement. *Methods Med Res* 1954;6:209-11.

Mainland D. Consultation with a statistician. *Methods Med Res* 1954;6:212-4.

Mainland D. Experiences in the development of multiclinic trials. In: Herrick AD, Cattell M (eds). *Clinical testing of new drugs*. Revere Publishing Company Inc., New York, NY, 1965.⁴

Mainland D. Multiclinic trials in arthritis. Chapter 30 in: Lasagna L (ed). *International encyclopedia of pharmacology and therapeutics*. Section 6. Clinical pharmacology. Volume II. Oxford, Pergamon Press 1966: pp 547-?.

Journal Articles (Anatomy/Medicine)

[In chronological order]

Mainland D. An uncommon abnormality of the flexor digitorum sublimis muscle. *J Anat* 1927;62:86-9. [PMCID: 1250051]

Mainland D. Über makroskopische Färbung von Gehirnpräparaten mit Berlinerblau. *Anat Anz* 1928;65:84-8.

Mainland D. The pluriovular follicle, with reference to its occurrence in the ferret. *J Anat* 1928;62:139-58. [PMCID: 1250026]

Mainland D. Posterior duplicity in a dog, with reference to mammalian teratology in general. *J Anat* 1929;63:473-95. [PMCID: 1250074]

Mainland D, Stover M. On materials used in marking paraffin blocks for reconstruction work. *Anat Rec* 1929;43:103-5.

Mainland D. The early development of the ferret: the pronuclei. *J Anat* 1930;64:262-87. [PMCID: 1250173]

³ Mainland is named as Associate Editor

⁴ This chapter is a reprint of

Mainland D. Experiences in the development of multiclinic trials. *J New Drugs* 1961;1:197-205. Advertisement with list of contents at <http://jcp.sagepub.com/content/4/4/local/back-matter.pdf>. Book review at <http://archinte.ama-assn.org/cgi/reprint/116/4/628>

- Mainland D. The early development of the ferret: the cytoplasm. *J Anat* 1931;65:411-26. [PMCID: 1248830]
- Mainland D. The measurement of ferret pronuclei. *Trans Roy Soc Can (3rd series)* 1931;25, sec V:33-42.
- Mainland D. A study of the sizes of nuclei in ovarian stroma. *Anat Rec* 1931;48:323-40.⁵
- Mainland D. The sizes of ferret pronuclei. *Anat Rec* 1931;49:103-20.
- Mainland D. A quantitative study of the polar body of the ferret, with a note on the second polar spindle. *Am J Anat* 1931;47:195-240.
- Mainland D. The volumes of ferret ova, with special reference to the methods of determination. *Anat Rec* 1931;50:53-83.
- Mainland D. The connective-tissue nuclear density of human ovaries. *Anat Rec* 1931;51:107-18.
- Mainland D. The early development of the ferret: the zona granulosa, zona pellucida and associated structures. *J Anat* 1932;66:586-601. [PMCID: 1248914]
- Mainland D. A quantitative study of epithelial nuclei of the body of the uterus in carcinoma and in non-malignant hyperplasia. *Proc Nova Scotia Inst Sci* 1933;18:77-105.
- Mainland D, Cameron AT. The forces exerted by individual human muscles, with special reference to errors in muscle measure. *Trans Roy Soc Can* 1933;Sec 5:265-76.
- Mainland D. Colorimetric tests of nuclear staining. *Biotech Histochem* 1933;8:69-72.⁶
- Mainland D, Hiltz JE. Forces exerted on the human mandible by the muscles of occlusion. *J Dent Res* 1934;14:107-24.
- Mainland D. Gross anatomy in the medical curriculum. *Can Med Assoc J* 1935;33:538-40. [PMCID: 1561316]
- Mainland D, Coady BK, Joseph S. Lymphocyte sizes in human blood films. *Folia Haemat* 1935;54:8-? or 1935;53:407-425.⁷
- Mainland D. The lymphatic system, with special reference to the head and neck. *Nova Scotia Med Bull* 1935;14:149-57.
- Mainland D, Coady BK, Horowitz W. The size distribution of lymphocytes in human blood films. *Am J Clin Pathol* 1936;6:66-80.
- Mainland D. Notes on applied anatomy. *Nova Scotia Med Bull* 1936;15:275-86.
- Mainland D, Coady BK. The investigation of cell size with special reference to the human lymphocyte. *J Anat* 1938;72:374-98. [PMCID: 1252393]⁸
- Mainland D. The ossification and maturation of bone. *Can Med Assoc J* 1938;38:384-86. [PMCID: 536480]
- Mainland D, Stewart CB. A comparison of percussion and radiography in locating the heart and superior mediastinal vessels. *Am Heart J* 1938;15:515-527.
- Mainland D. Recent developments in anatomy and its teaching. *Nova Scotia Med Bull* 1938;17:268-78.
- Mainland D. Recent research on the blood supply of the heart. *Nova Scotia Med Bull* 1939;18:316-8.
- Mainland D. Some remarks on ligaments. *Can Med Assoc J* 1939;40:539-42. [PMCID: 537233]

⁵ Same title for a booklet: *A study of the sizes of nuclei in ovarian stroma* by Donald Mainland. Wistar Press, Philadelphia, PA., 1931.

⁶ The article itself shows the journal title as *Stain Technology*

⁷ Citations vary – possibly two different articles?

⁸ Summarised in *Nature* 1938;142:79. <http://www.nature.com/nature/journal/v142/n3584/pdf/142079a0.pdf>

- Mainland D, Gordon EJ. The position of organs determined from thoracic radiographs of young adult males, with a study of the cardiac apex beat. *Am J Anat* 1941;68:457-96.
- Mainland D. Anatomy in medical education. *Acad Med* 1944;19:288-97.
- Mainland D. Anatomy renovated: an example of change in medical education. *Nova Scotia Med Bull* 1945;24:71-81.
- Mainland D. The John Cameron Rooms. *Nova Scotia Med Bull* 1945;24:281.
- Mainland D. Some features of the Dalhousie University anatomy course. *Can Med Assoc J* 1946;54:36-9. [PMCID: 1582452]⁹
- Cates HA, Grant JCB, Jackson JL, Macklin CC, Mainland D, Martin CP, Matheson DC, Rawlinson HE, Saunders RLDH, Shaner RF, Skinner HA, Smith CG, Thompson IM, Watt JC. Anatomical nomenclature. *Anat Rec* 1946;94:1-6.
- Mainland D. Anatomy in the changing medical world. *Acad Med* 1947;22:352-8.
- Mainland D. Evaluation of the skeletal age method of estimating children's development. I. Systematic errors in the assessment of roentgenograms. *Pediatrics* 1953;12:114-29.
- Mainland D. Evaluation of the skeletal age method of estimating children's development. II. Variable errors in the assessment of roentgenograms. *Pediatrics* 1954;13:165-73.
- McEwen C, Freyberg R, Kammerer W, Lingg C, Mainland D, Ragan C, Short C, Ziff M. Experience with cortisone in the management of rheumatoid arthritis. Report of a co-operative study conducted by a committee of the American Rheumatism Association. *Ann Rheum Dis* 1955;14:325-36.
- Ziff M, Simson J, Scull E, Smith A, Shatton J, Mainland D. Aminotripeptidase content of synovial fluid in arthritic diseases. *J Clin Invest* 1955;34:27-34. [PMCID: 438576]
- Mainland D. Measurement of bone density. Bias and variation due to radiographic and photometric techniques. *Ann Rheum Dis* 1956;15:115-8. [PMCID: 1006865]
- Mainland D. Evaluation of the skeletal age method of estimating children's development. III. Comparison of measurement and inspection in the assessment of roentgenograms. *Pediatrics* 1957;20:979-92.
- Mainland D. A study of age differences in the x-ray density of the adult human calcaneus; variation and sources of bias. *J Gerontol* 1957;12:53-61.
- Mainland D. A study of age differences in the x-ray density of five bones in the adult human wrist and hand. *J Gerontol* 1957;12:284-91.
- Calkins E, Black RL, Clark GM, Hollander JL, Mainland D, Mikkelsen WM, Ragan C, Short CL. Therapeutic evaluation in rheumatoid arthritis. *Arthritis Rheum* 1960;3:101-11.
- Mainland D, Sutcliffe MI. Hydroxychloroquine sulphate in rheumatoid arthritis, a six-month, double-blind trial. *Bull Rheum Dis* 1962;13:287-90.¹⁰¹¹
- Mainland D. X-ray bone density of infants in a prenatal nutrition study with a discussion of bone densitometry in general. *Milbank Mem Fund Q* 1963;41(Suppl):7-106. [JSTOR]

⁹ First 3 words of title missing in table of contents and on PubMed

¹⁰ Accompanied by a note: "The time honored place of salicylates in the therapy of the rheumatic diseases as well as their postulated mode of action is being reappraised by many investigators today. This preliminary report of a therapeutic trial of aspirin points up effectively the pitfalls, the tremendous problems and great effort involved in carrying out such clinical studies in order to obtain data which can be meaningfully interpreted. Certainly salicylates are most useful compounds but contrary to the claims of some advertisers their true effectiveness and action has yet to be determined. Attention is called to Dr. Mainland's invitation for readers to submit questions and suggestions regarding this trial to him. — The Editor.

http://www.archive.org/stream/competitiveprobl08unit/competitiveprobl08unit_djvu.txt

¹¹ Not on PubMed

Mainland D, Sutcliffe MI. Aspirin in rheumatoid arthritis, a seven-day, double-blind trial—preliminary report. *Bull Rheum Dis* 1965;16:388-91.

Translation

Mainland D. Aspirina en la artritis reumatoidea; informe preliminar sobre una prueba doble ciego de siete días de duración. *Bol Enf Reum* 1965;16:388-?. [Spanish]

Mainland D, Sutcliffe MI. A seven-day variability study of 499 patients with peripheral rheumatoid arthritis. *Arthritis Rheum* 1965;8:302-34.¹²

Fontana VJ, Holt LE Jr, Mainland D. Effectiveness of hyposensitization therapy in ragweed hay-fever in children. *JAMA* 1966;195:985-92.

Mainland D. The estimation of inflammatory activity in rheumatoid arthritis. Role of composite indices. *Arthritis Rheum* 1967;10:71-7. [PMID: 6019348]

Mainland D, Sutcliffe MI. A three-month trial of indomethacin in rheumatoid arthritis, with special reference to analysis and inference. *Clin Pharmacol Ther* 1967;8:11-37.¹³

Decker JL, Mainland D. Assessment of drug efficacy in rheumatoid arthritis [Editorial]. *N Engl J Med* 1970;283:928-9. [PMID: 4917726]

Mainland D, Sutcliffe MI, O'Brien WM. A controlled trial of gold salt therapy in rheumatoid arthritis. *Arthritis Rheum* 1973;16:353-8.¹⁴

Journal Articles (Statistics/Methodology)

[In chronological order]

Mainland D. The technique of estimating small irregular areas in biological research, with notes on the tests of accuracy. *J Anat* 1929;63:345-51. [PMCID: 1250088]

Mainland D. Chance and the blood count. *Can Med Assoc J* 1934;30:656-8. [PMCID: 403406]

Mainland D, Du Billier B, Stewart CB. The accuracy of differential blood counts. *Can Med Assoc J* 1935;33:667-70. [PMCID: 1561501]

Mainland D. Problems of chance in clinical work. *BMJ* 1936;2:221-4.

Mainland D. Statistical methods in medical research. I. Qualitative statistics (enumeration data). *Can J Res E* 1948;26:1-166.

Mainland D. Statistics in clinical research: some general principles. *Ann NY Acad Sci* 1950;52:922-30. [Volume title: *The place of statistical methods in biological and chemical experimentation*]

Mainland D, Murray IM. Tables for use in fourfold contingency tests. *Science* 1952;116:591-4. [JSTOR]

Mainland D. The risk of fallacious conclusions from autopsy data on the incidence of diseases with applications to heart disease. *Am Heart J* 1953;45:644-54.

Mainland D, Sutcliffe MI. Statistical methods in medical research. II. Sample sizes required in experiments involving all-or-none responses. *Can J Med Sci* 1953;31:406-16.

Mainland D. The rise of experimental statistics and the problems of a medical statistician. *Yale J Biol Med* 1954;27:1-10.¹⁵ [PMCID: 2599594]

¹² Names are those who prepared the report. Paper authorship given as The Cooperating Clinics Committee of the American Rheumatism Association

¹³ Names are those who prepared the report. Paper authorship given as The Cooperating Clinics Committee of the American Rheumatism Association

¹⁴ Names are those who prepared the report. Paper authorship given as The Cooperating Clinics Committee of the American Rheumatism Association

¹⁵ Presented at the annual meeting of the American Association of the History of Medicine, May 6, 1954, New Haven, Connecticut.

- Woolsey TD, Cochran WG, Mainland D, Martin MP, Moore FE Jr, Patton RE. On the use of sampling in the field of public health. *Am J Public Health* 1954;44:719-40. [PMCID: 1620730]
- Mainland D. An experimental statistician looks at anthropometry. *Ann NY Acad Sci* 1955;63:474-83.
- Mainland D. Use of case records in the study of therapy and other features in chronic disease. I. Planning the survey. *Ann Rheum Dis* 1955;14:337-52. [PMCID: 1006831]¹⁶
- Mainland D, Herrera L. The risk of biased selection in forward-going surveys with nonprofessional interviewers. *J Chron Dis* 1956;4:240-4.
- Mainland D. Safety in numbers. *Circulation* 1957;16:784-90.
- Mainland D. Notes on the planning and evaluation of research, with examples from cardiovascular investigations. I. *Am Heart J* 1958;55:644-55.
- Mainland D. Notes on the planning and evaluation of research, with examples from cardiovascular investigations. II. *Am Heart J* 1958;55:824-37.
- Mainland D. Notes on the planning and evaluation of research, with examples from cardiovascular investigations. III. *Am Heart J* 1958;55:838-50.
- Mainland D. The use and misuse of statistics in medical publications. *Clin Pharmacol Ther* 1960;1:411-22.
- Mainland D. The clinical trial--some difficulties and suggestions. *J Chron Dis* 1960;11:484-96.
- Mainland D. Experiences in the development of multiclinic trials. *J New Drugs* 1961;1:197-205.
- Mainland D. The significance of "nonsignificance". *Clin Pharmacol Ther* 1963;4:580-6.
- Mainland D. Remarks on controlled clinical trials in relationship to gold therapy. *Arch Interamer Rheumatol* 1963;6:74-?
- Mainland D, Sutcliffe MI. The general problem of dropouts. *ARA Coop Clin Committee Bull* 1964;18:6 (Dec 7).
- Mainland D. "We wish to hire a medical statistician. Have you any advice to offer?" *JAMA* 1965;193:289-93.¹⁷
- Mainland D. Statistical ward rounds--1. *Clin Pharmacol Ther* 1967;8:139-46. [PMID: 6016283]
- Mainland D. Statistical ward rounds--2. *Clin Pharmacol Ther* 1967;8:346-55.
- Mainland D. Statistical ward rounds--3. *Clin Pharmacol Ther* 1967;8:472-80.
- Mainland D. Statistical ward rounds--4. *Clin Pharmacol Ther* 1967;8:615-24.¹⁸
- Mainland D. Statistical ward rounds--5. *Clin Pharmacol Ther* 1967;8:738-48. [PMID: 6054017]
- Mainland D. Statistical ward rounds--6. *Clin Pharmacol Ther* 1967;8:874-83. [PMID: 6059289]
- [Colton T. Statistical ward rounds--7. Part I. A rebuttal of Statistical ward rounds--4. *Clin Pharmacol Ther* 1968;9:113-19.]
- Mainland D. Statistical ward rounds--7. Part II. Dr. Colton's rebuttal of ward round 4--Comments and more thoughts about sequential trials. *Clin Pharmacol Ther* 1968;9:120-8.¹⁹
- Mainland D. Statistical ward rounds--8. *Clin Pharmacol Ther* 1968;9:259-66.
- Mainland D. Statistical ward rounds--9. *Clin Pharmacol Ther* 1968;9:395-404.

¹⁶ Where is part II? Text of part I says "The present article, and one now in preparation on analysis of data, are intended to meet the need for more detailed guidance."

¹⁷ "extracted from No. 55 to 58 of Notes From a Laboratory of Medical Statistics"

¹⁸ Not listed on PubMed

¹⁹ Part I is Colton's response to SWR4

- Mainland D. Statistical ward rounds–10. *Clin Pharmacol Ther* 1968;9:529-35.
- Mainland D. Statistical ward rounds–11. *Clin Pharmacol Ther* 1968;9:682-93.
- Mainland D. Statistical ward rounds–12. *Clin Pharmacol Ther* 1968;9:792-806. [PMID: 5754986]
- Mainland D. Statistical ward rounds–13. *Clin Pharmacol Ther* 1969;10:118-24.
- Mainland D. Statistical ward rounds–14. "How many patients would we need?" *Clin Pharmacol Ther* 1969;10:272-81. [correction in 1969;10:415]
- Mainland D. Statistical ward rounds–15. *Clin Pharmacol Ther* 1969;10:407-15.
- Mainland D. Is the difference statistically significant?–An innocent request for quack treatment. *Clin Pharmacol Ther* 1969;10:436-8.
- Mainland D. Statistical ward round–16. *Clin Pharmacol Ther* 1969;10:576-86.²⁰
- Mainland D. Statistical ward round–17. Some research terms for beginners: definitions, comments, and examples. I. *Clin Pharmacol Ther* 1969;10:714-36.²¹
- Mainland D. Statistical ward round–18. Some research terms for beginners: definitions, comments, and examples--II. *Clin Pharmacol Ther* 1969;10:867-900.²²
- Mainland D. Not-quite-random assignments. *Behav Res Methods Instrum* 1969;1:245-6.²³
- Mainland D. Normal values in medicine. *Ann NY Acad Sci* 1969;161:527-37.
- Mainland D. Remarks on clinical "norms". *Clin Chem* 1971;17:267-74.
- Mainland D. Medical statistics – thinking vs arithmetic. *J Chron Dis* 1982;35:413-7.
- Mainland D. Medical statistics – suggestions for the evaluation of introductory textbooks. *J Chron Dis* 1983;36:345-51.
- Mainland D. Statistical ritual in clinical journals: is there a cure? – I. *BMJ* 1984;288:841-3. [PMCID: 1441604]
- Mainland D. Statistical ritual in clinical journals: is there a cure? – II. *BMJ* 1984;288:920-2. [PMCID: 1441729]
- Mainland D. Some statistical thoughts on neurobehavioral testing. *Obstetric Anesthesia Digest* 1985;5:90-94.
- Mainland D. Chance and the blood count. 1934. *Can Med Ass J* 1993;148:225-7. [Reprint of 1934 article] [PMCID: 1490401]

Other items

- Mainland D. Untitled presentation on the American Rheumatism Association Co-operative study of cortisone in rheumatoid arthritis. *Ann Rheum Dis* 1953;12:331-332.
- Mainland D. The VA-NRC program of medical follow-up studies: evaluations and suggestions. March 22, 1953, DMS Files, NAS Archives.
- Mainland D. Excerpt from *Notes from a Laboratory of Medical Statistics*, no. 55, p2. *Lancet* 1964;1:712.
- Mainland D. National labels: How can we assess them? *Lore and Language* 1982;3(6A):18-23.

Abstracts

- Mainland D. Modern trends in anatomy [Abstract of address]. *Nova Scotia Med Bull* 1931;10:351.

²⁰ Not listed on PubMed

²¹ Not listed as Ward Round 17 on PubMed

²² Not listed as Ward Round 18 on PubMed

²³ "Reprinted from Note 32 in Mainland D. Notes in Biometry in Medical Research. V.A. Monograph 10-1. Supplement 5. October 1968. pp. 15-18."

- Mainland D. Nuclear sizes in the endothelium of the body of the human uterus in malignant and non-malignant disease and in health. *Anat Rec* 1932;52(Suppl S1):67.
[Presented at the forty-eighth annual session of the College of Physicians and Surgeons, Medical Center, Columbia University, New York City, March 24 to 26, 1932]
- Mainland D. A comparison of percussion and radiology in locating the borders of the heart. *J Anat* 1937;72:154-155.
[Presented at the Summer (and Jubilee) Meeting of the Anatomical Society of Great Britain and Ireland, held in the Department of Human Anatomy, University Museum, Oxford, on Friday, 2 July, and Saturday, 3 July 1937.]
- Mainland D. A study of Todd's method of assessing skeletal maturation. *Anat Rec* 1949;103:551.
[Presented at the American Association of Anatomists 62nd annual session, Temple University, Philadelphia, Pa, April 13-15, 1949.]
- Bailar JC III. Abstract of "The rise of experimental statistics in recent times" by Donald Mainland *J Hist Med Allied Sci* 1954;9:350.
[Presented at the Twenty-seventh Annual Meeting of the American Association of the History of Medicine, 6-8 May 1954, New Haven, Connecticut.]
- Mainland D. Some non-statistical problems met by medical school statisticians. *Biometrics* 1959;15:164.
- Mainland D. Methodology of multiclinic drug trials conducted under auspices of American Rheumatism Association. *Arthritis Rheum* 1961;4:425.
- Mainland D. Trial of an antimalarial compound in rheumatoid arthritis by the ARA committee on cooperating clinics. *Arthritis Rheum* 1962;5:307.
[Presented at the Annual Meeting of the American Rheumatism Association June 21-22, 1962, Edgewater Beach Hotel, Chicago, Ill.]
- Fontana VJ, Holt LE, Mainland D. A study of effectiveness of hyposensitization therapy in ragweed hay fever in children. *J Pediatr* 1965;67:1032.
- Fontana VJ, Holt LE, Mainland D. A study of effectiveness of hyposensitization therapy in ragweed hay fever in children. *J Allerg* 1966;37:104.
- Mainland D, Decker JL. A controlled trial of cyclophosphamide in rheumatoid arthritis. A preliminary report. *Arthritis Rheum* 1969;12:680-?

Letters to the editor, etc

- Mainland D. Analysis of clinical statistics. *BMJ* 1937;1:192-193.²⁴
- Mainland D. [Comments on paper by CI Bliss] *Biometrics* 1952;8:247.
[Proceedings of Symposium "The design and interpretation of clinical experiments with drugs" held under joint sponsorship of The American Society for Pharmacology and Experimental Therapeutics and the Biometric Society (ENAR), New York, 14 April 1952.]
- Mainland D. Statistics and faith. [Reply to Schneider] *Pediatrics* 1959;24:158-159.
- Lowell FC, Franklin W, Fontana VJ, Holt LE, Mainland D. Hyposensitization therapy in ragweed hay fever. *JAMA* 1966;195:1071-2.
- Mainland D. Reply. *Clin Pharmacol Ther* 1969;10:742. [Reply to Schneiderman MA. Sample size. *Clin Pharmacol Ther* 1969;10:741-2.]
- Mainland D. SI units and acidity. *BMJ* 1977;2:1219-20. [PMCID: 1632201]
- Mainland D. Personal View. *BMJ* 1978;1:1273. [PMCID: 1604631]
- Mainland D. Personal view. *BMJ* 1980;280:1269. [PMCID: 1601566]

²⁴ Response to letter from Tumarkin

Mainland D. Berkson's fallacy in case-control studies. *BMJ* 1980;280:330. [PMCID: 1600120]

Mainland D. Changes in MRCP (UK) examination. *BMJ* 1980;281:1219. [PMCID: 1714480]

Book reviews by Donald Mainland

Mainland D. Review of *Statistical Tables for Biological, Agricultural and Medical Research* by RA Fisher. *Can Public Health J* 1939;30:116.

Mainland D. Review of *Experimental design and its statistical basis* by DJ Finney. *Science* 1955;122:1275. [JSTOR]

Mainland D. Review of *The blood pressure in a population: blood pressure readings and height and weight determinations in the adult population of the city of Bergen* by Johs Boe, Sigurd Humerfelt, Froystein Wedervang. *J Am Stat Assoc* 1958;53:772-3. [JSTOR]

Mainland D. Review of *Clinical Evaluation of New Drugs* edited by SO Waife and AP Shapiro. *Perspect Biol Med* 1960;3:441-442.

Mainland D. Review of *Controlled Clinical Trials* edited by A Bradford Hill. *J Am Stat Assoc* 1961;56:758-9. [JSTOR]