

## Professor Jane Luise Hutton

### Publications

- [1] M N Hartley, D J Tufnell, J L Hutton, M Palmer, and M S Al Jafari. Fine needle aspiration cytology: an in-vitro study of cell yield. *Br. J. Surg.*, 75:380–381, 1988.
- [2] J M Escala, M A Keating, G Boyd, A Pierce, J L Hutton, and J Lister. Development of elastic fibres in the upper urinary tract. *J. Urol.*, 141:969–973, 1989.
- [3] B T Parys, B T Haylen, J L Hutton, and K F Parsons. The effects of simple hysterectomy on vesicourethral function. *Br. J. Urol.*, 64:594–599, 1989.
- [4] J L Hutton. Non-negative time series models for dry river flow. *J. Appl. Prob.*, 27:171–182, 1990.
- [5] N Modi and J L Hutton. The influence of postnatal respiratory adaptation on sodium handling in preterm neonates. *Early Human Dev.*, 21:11–20, 1990.
- [6] N Modi and J L Hutton. Urinary creatinine excretion and estimation of muscle mass in infants 25–34 weeks gestation. *Acta Scand. Paed.*, 79:1156–1162, 1990.
- [7] R Carr, J L Hutton, J Jenkins, J A Lucas, and N W Amphlett. Transfusion of ABO mismatched platelets leads to early platelet refractoriness. *Br. J. of Haem.*, 75:408–413, 1990.
- [8] B T Parys, B T Haylen, J L Hutton, and K F Parsons. Urodynamic evaluation of lower urinary tract function in relation to total hysterectomy. *Aust & New Zealand J of Obs and Gyne*, 30:161–165, 1990.
- [9] B T Parys, B T Haylen, J L Hutton, and K F Parsons. Neurophysiological reflex arc abnormality after total hysterectomy. *Int Urogynae J*, 1:200–205, 1990.
- [10] D F Smith, J L Hutton, D Sandemann, P M Foy, M D M Shaw, I R Williams, and D W Chadwick. The prognosis of primary intracerebral tumours presenting with epilepsy: the outcome of medical and surgical management. *J Neurology, Neurosurgery & Psych*, 54:915–920, 1991.
- [11] K Moore, D Richmond, J Sutherst, A Imrie, and J L Hutton. Crouching over the toilet seat: Prevalence amongst British women and and effect upon micturation. *Brit J Obs & Gyne*, 98:569–572, 1991.
- [12] B T Parys and J L Hutton. Fifteen-year experience of carcinoma of the scrotum. *Br. J. Urol.*, 68:414–417, 1991.
- [13] J K M Duguid, R Carr, J A Jenkins, J L Hutton, G F Lucas, and J M Davies. Clinical evaluation of the effects of storage time irradiation on transfused platelets. *Vox Sanguis*, 60:151–154, 1991.
- [14] J L Hutton, D F Smith, D Sandemann, P M Foy, M D M Shaw, I R Williams, and D W Chadwick. Development of a prognostic index for use in a trial of medical and surgical management of primary intracerebral tumours. *J Neurology, Neurosurgery & Psych*, 55:271–274, 1992.
- [15] S A Hinchcliffe, P L Sargent, Y F Chan, D Vanvelzen, C V Howard, and J L Hutton. Medullary ray glomerular ray counting as a method of assessment of human nephrogenesis. *Path Res Pract*, 188:775–782, 1992.

- [16] J L Hutton and R G Owens. Bayesian sample size calculations and prior beliefs about child sexual abuse. *The Statistician*, 42:399–404, 1993.
- [17] J L Hutton, R G Owens, L Horne, and D V Glasgow. Professionals' beliefs about child sexual abuse. *Health & Social Care in the Community*, 1:219–226, 1993.
- [18] D Ashby, J L Hutton, and M A McGee. Simple Bayesian analyses for case-control studies in cancer epidemiology. *The Statistician*, 42:385–397, 1993.
- [19] G Hackett, P Bundred, J L Hutton, J O'Brien, and I M Stanley. Management of joint and soft tissue injuries in three general practices. *Brit J Gen Prac*, 43:61–64, 1993.
- [20] J L Hutton, T Cooke, and P O D Pharoah. Life expectancy in children with cerebral palsy. *Brit. Med. J.*, 309:431–435, 1994.
- [21] B H Roe, J M Griffiths, M Kenrick, N A Cullum, and J L Hutton. Nursing treatment of patients with chronic leg ulcers in the community. *J of Clin Nursing*, 3:159–168, 1994.
- [22] M J Diver, J G Hughes, J L Hutton, C R West, and L J Hipkin. The long-term stability in whole blood of 14 commonly requested hormone analytes. *Ann of Clin Biochem*, 31:561–565, 1994.
- [23] J L Hutton. Statistics is essential for professional ethics. *J.Appl.Phil*, 12:253–261, 1995.
- [24] J L Hutton, D F Smith, and D W Chadwick. Prospective evaluation of a prognostic index for intrinsic supratentorial tumours. *J of Neurology, Neurosurgery and Psych*, 59:92–94, 1995.
- [25] CJ Green, IT Campbell, P McClelland, JL Hutton, MM Ahmed, TR Helliwell, RG Wilkes, AA Gilbertson, and JM Bone. Energy and nitrogen balance and changes in midupper-arm circumference with multiple organ failure. *Nutrition*, 11:739–746, 1995.
- [26] D Ashby and J L Hutton. Bayesian epidemiology. In *Bayesian Biostatistics (ed D. Berry and D. Stangl)*, pages 109–138. New York: Marcel Dekker, 1996.
- [27] J L Hutton. The ethics of randomised controlled trials: A matter of statistical belief. *Health Care Anal.*, 4:95–102, 1996.
- [28] A M Weindling, P Hallam, J Gregg, H Klenka, L Rosenbloom, and J L Hutton. A randomized controlled trial of early physiotherapy for high-risk infants. *Acta Paediatrica*, 85:1107–1111, 1996.
- [29] J L Hutton and P J Solomon. Parameter orthogonality in mixed regression models for survival data. *J.R.Statist.Soc. B*, 59:125–136, 1997.
- [30] J L Hutton, P O D Pharoah, R W I Cooke, and R C Stevenson. The differential effects of prematurity and dysmaturity on cognitive and motor development. *Arch. Dis. Ch.*, 76:F75–F81, 1997.
- [31] R E Ashcroft, D W Chadwick, S R L Clark, R H T Edwards, L Frith, and J L Hutton. Implication of socio-cultural contexts for the ethics of clinical trials. *Health Technology Assessment*, 1(9):iv+65, 1997.
- [32] A G Marson, Z A Kadir, J L Hutton, and D W Chadwick. The new anti-epileptic drugs: A systematic review of their efficacy and tolerability. *Epilepsia*, 38:859–880, 1997.

- [33] J L Hutton. Medical ethics and statistics. In *Encyclopedia of Biostatistics* (Ed. D G Altman, E A Gehan, P Armitage and T Colton), pages 2540–2546. John Wiley and sons, London, 1998.
- [34] J L Hutton and R E Ashcroft. What does “systematic” mean for reviews of methodology? In *Health Services Research Methods: A guide to best practice* (Ed. N Black, J Brazier, R Fitzpatrick and B Reeves), pages 249–254. Brit. Med. J., London, 1998.
- [35] R E Ashcroft, D W Chadwick, S R L Clark, R H T Edwards, L Frith, and J L Hutton. Implication of socio-cultural contexts for the ethics of clinical trials. In *Health Services Research Methods: A guide to best practice* (Ed. N Black, J Brazier, R Fitzpatrick and B Reeves), pages 108–116. Brit. Med. J., London, 1998.
- [36] P L Cornelissen, P C Hansen, J L Hutton, V Evangelinou, and J F Stein. Magnocellular visual function and children’s single word reading. *Vision Research*, 38:471–482, 1998.
- [37] G Maudsley, J L Hutton, and P O D Pharoah. Cause of death in cerebral palsy: a descriptive study. *Arch. Dis. Ch.*, 81:390–394, 1999.
- [38] M Buyse, S L George, S Evans, N L Geller, J Ranstam, B Scherrer, E Lesaffre, G Murray, L Edler, J L Hutton, T Colton, P Lachenbruch, and B L Verma. The role of biostatistics in the prevention, detection and treatment of fraud in clinical trials. *Statist.Med.*, 18:3435–3451, 1999.
- [39] J L Hutton. Number needed to treat: properties and problems. *J.R.Statist.Soc. A*, 163:403–419, 2000.
- [40] J L Hutton and P R Williamson. Bias in meta-analysis with variable selection within studies. *Appl. Statist.*, 49:359–370, 2000.
- [41] J L Hutton. Ethics of medical research in developing countries: the role of international codes of conduct. *Stat. Meth. Med. Res.*, 9:185–206, 2000.
- [42] J L Hutton and R E Ashcroft. Some popular versions of uninformed consent. *Health Care Anal.*, 8:41–52, 2000.
- [43] J L Hutton, A F Colver, and P C Mackie. Effect of severity of disability on survival in north east England cerebral palsy cohort. *Arch. Dis. Ch.*, 83:468–474, 2000.
- [44] P R Williamson, J L Hutton, J Bliss, J Blunt, M J Campbell, and R Nicholson. Statistical review by research ethics committees. *J.R.Statist.Soc. A*, 163:5–13, 2000.
- [45] J Ranstam, M Buyse, S L George, S Evans, N L Geller, B Scherrer, E Lesaffre, G Murray, L Edler, J L Hutton, T Colton, and P Lachenbruch. The biostatistician’s view of fraud in medical research. *Con. Clin. Trials.*, 21:415–427, 2000.
- [46] P R Williamson, A G Marson, C Tudur, J L Hutton, and D W Chadwick. Individual patient data meta-analysis of randomised anti-epileptic drug monotherapy trials. *J Eval Clin. Pract.*, 6:207–214, 2000.
- [47] S Hahn, P R Williamson, J L Hutton, P Garner, and V Flynn. Assessing the potential for bias in meta-analysis due to selective reporting of subgroup analyses within studies. *Statist.Med.*, 19:3325–3336, 2000.
- [48] AG Marson, PR Williamson, JL Hutton, HE Clough, and DW Chadwick; on behalf of the epilepsy monotherapy trialists. Carbamazepine vs valproate monotherapy for epilepsy (Cochrane review). In *The Cochrane Library*, pages 1–26. Update Software, Oxford, 2000. Issue 3.

- [49] A G Marson, Z A Kadir, J L Hutton, and D W Chadwick. Gabapentin for drug resistant partial epilepsy. In *The Cochrane Library*, pages 1–22. Update Software, Oxford, 2000. Issue 2.
- [50] J L Hutton. Are distinctive ethical principles required for cluster randomised controlled trials? *Statist.Med.*, 20:473–488, 2001.
- [51] R J Lilford, S Edwards, R Fitzpatrick, J L Hutton, A Stevens, A Richardson, and F Rock. Issues in methodological research: perspectives from researchers and commissioners. *Health Technology Assessment*, 5(8):59+iv, 2001.
- [52] J L Hutton. Medical ethics and statistics. In *Biostatistics in Clinical Trials (Ed. CK Redmond and T Colton)*, pages 257–271. John Wiley and sons, London, 2001.
- [53] R Chaisewikul, Privtera, J L Hutton, and A G Marson. Levetiracetam add-on for drug-resistant localization related (partial) epilepsy (Cochrane review). In *The Cochrane Library*, pages 1–24. Update Software, Oxford, 2001. Issue 1.
- [54] J L Hutton and P O D Pharoah. Effects of cognitive, sensory and motor impairment on the survival of people with cerebral palsy. *Arch. Dis. Ch.*, 86:84–89, 2002.
- [55] J L Hutton and P F Monaghan. Choice of accelerated life and proportional hazards models for survival data: asymptotic results. *Lifetime Data Analysis*, 8:375–393, 2002.
- [56] P R Williamson, H Clough, J L Hutton, A Marson, and D W Chadwick. Statistical issues in the assessment of the evidence for an interaction between factors in epilepsy trials. *Statist.Med.*, 21:2613–2622, 2002.
- [57] P R Williamson, C T Smith, J L Hutton, and A G Marson. Aggregate data meta-analysis with time-to-event outcomes. *Statist.Med.*, 21:3337–3351, 2002.
- [58] S Hahn, P R Williamson, and J L Hutton. Investigation of within-study selective reporting in clinical research: Follow-up of applications submitted to an LREC. *J Eval Clin. Pract.*, 8:353–359, 2002.
- [59] J L Marsh, J L Hutton, and K Binks. Removal of radiation dose response effects: an example of over-matching. *Brit. Med. J.*, 325:327–330, 2002.
- [60] A G Marson, P R Williamson, H Clough, J L Hutton, and D W Chadwick. Carbamazepin and valproate monotherapy for epilepsy: a meta-analysis. *Epilepsia*, 43:505–513, 2002.
- [61] AK Sharma, M Callaghan, R Rustom, J L Hutton, A Hammad, and RA Sells. Cyclosporine nephrotoxicity: Is it determined by donors predisposition? *Transplantation*, 2002. Short communication.
- [62] J Pereira, A G Marson, and J L Hutton. Tiagabine add-on for drug-resistant patrial epilepsy (Cochrane review). In *The Cochrane Library*, pages 1–31. Update Software, Oxford, 2002. Issue 4.
- [63] J P Leach, A G Marson, and J L Hutton. Remacemide for drug-resistant localization related epilepsy (Cochrane review). In *The Cochrane Library*, pages 1–22. Update Software, Oxford, 2002. Issue 4.
- [64] H O Dickinson, J L Hutton, LH Greaves, T J B Dummer, and L Parker. Stillbirth risk in rural and urban areas. *Paed. & Perin. Epid.*, 16:249–254, 2002.

- [65] L S Pearson and J L Hutton. A controlled trial to compare the ability of foam swabs and toothbrushes to remove dental plaque. *J. Adv. Nurse.*, 39:480–489, 2002.
- [66] MRC clinical trial series. *Cluster randomised trials: Methodological and ethical considerations*. Medical Research Council, London, 2002.
- [67] G Kwong and J L Hutton. Choice of parametric models in survival analysis: applications to cerebral palsy and monotherapy for epilepsy. *Appl. Statist.*, 52:163–168, 2003.
- [68] SN Jarvis, SV Glinianaia, MG Torrioli, MJ Platt, M Miceli, PS Jouk, A Johnson, JL Hutton, G Hagberg, H Dolk, J Chalmers, and K Hemming. Cerebral palsy and intrauterine growth in single births: a European collaborative study. *Lancet*, 362:1106–1111, 2003.
- [69] J E Gach, A M Madrigal, J L Hutton, and R Charles-Holmes. Retrospective analysis of the occurrence of internal malignancy in patients treated with PUVA between 1986-1999 in South Warwickshire. *Clinical and Experimental Dermatology*, 29:154–155, 2003.
- [70] M Topp, L D Huusom, J Langhoff-Roos, C Delhumeau, JL Hutton, and H Dolk. Multiple birth and cerebral palsy in Europe: a multicenter study. *Acta Obstet Gynecol Scand*, 83:548–553, 2004.
- [71] J L Hutton. Ethics, justice and statistics. In *International seminar on nuclear war and planetary emergencies: 30th Session*, pages 212–217. World Scientific, Singapore, 2004.
- [72] J L Hutton. Medical ethics and statistics. In *Encyclopedia of Biostatistics 2nd ed (P Armitage and T Colton)*, volume 5, pages 3137–3148. John Wiley and sons, London, 2005.
- [73] P R Williamson, C Gamble, DG Altman, and J L Hutton. Outcome selection bias in meta-analysis. *Stat. Meth. Med. Res.*, 14:515–524, 2005.
- [74] K Hemming, JL Hutton, A Colver, and MJ Platt. Regional variation in survival of people with cerebral palsy in the United Kingdom. *Pediatrics*, 116:1383–1390, 2005.
- [75] B J Cowling, J L Hutton, and J E H Shaw. Joint modelling of event counts and survival times. *Appl. Statist.*, 55:31–39, 2006.
- [76] K Hemming, JL Hutton, SV Glinianaia, SN Jarvis, and MJ Platt. Differences between European birth weight standards: impact on small for gestational age classification. *Dev. Med. & Child. Neur.*, 48:906–912, 2006.
- [77] K Hemming, JL Hutton, and POD Pharoah. Long term survival for a cohort of adults with cerebral palsy. *Dev. Med. & Child. Neur.*, 48:90–95, 2006.
- [78] P O D Pharoah and J L Hutton. Life expectancy in severe cerebral palsy. *Arch. Dis. Ch.*, 91:254–258, 2006. doi: 10.1136/adc.2005.075002.
- [79] RA Nakash, JL Hutton, EC Jorstad, and SE Lamb. Maximising response to postal questionnaires - a systematic review of randomised trials in health research. *BMC Med Res Meth.*, 6:5, 2006.
- [80] J L Hutton. Cerebral palsy life expectancy. *Clin. Perinatol*, 33:545–555, 2006.
- [81] BJ Cowling, JEH Shaw, JL Hutton, and AG Marson. New statistical method for analysing time to first seizure: example using data comparing carbamazepine and valproate monotherapy. *Epilepsia*, 48:1173–1178, 2007.

- [82] RA Nakash, JL Hutton, SE Lamb, S Gates, and J Fisher. Response and non-response to postal questionnaire follow-up in a clinical trial - a qualitative study of the patient's perspective. *BMC Med Res Meth.*, 14:226–235, 2008. doi:/10.1111/j.1365-2753.2007.00838.x.
- [83] K Hemming, JL Hutton, S Bonellie, and J Kurinczuk. Interuterine growth and survival in cerebral palsy. *Arch Dis Child Fetal Neonatal Ed*, 93:F121–F126, 2008. doi:10.1136/adc.2007.121129.
- [84] K Hemming, JL Hutton, MJ Maguire, and AG Marson. Open label extension studies and patient selection biases. *J Eval Clin Pract*, 14:141–144, 2008. doi: 10.1111/j.1365-2753.2007.00821.x.
- [85] K Hemming, A Colver, JL Hutton, POD Pharoah, and J Kurinczuk. The influence of gestational age on severity of disability in bilateral and unilateral spastic cerebral palsy. *J. Peds*, 153:203–208.e4, 2008.
- [86] M Maguire, K Hemming, AG Marson, and JL Hutton. Reporting and analysis of open-label extension studies of anti-epileptic drugs. *Epilepsy Research*, 81:24–29, 2008.
- [87] M Maguire, K Hemming, AG Marson, and JL Hutton. Overwhelming heterogeneity in systematic reviews of observational anti-epileptic studies. *Epilepsy Research*, 80:201–212, 2008.
- [88] JC Hughes, J Newby, SJ Louw, G Campbell, and JL Hutton. Ethical issues and tagging in dementia: a survey. *J Ethics Mental Health*, 3:1–6, 2008. Available via [www.jemh.ca](http://www.jemh.ca).
- [89] JL Hutton. Outcome in cerebral palsy: life expectancy. *Paed. & Child Health*, 18:419–422, 2008.
- [90] N J Jette, K Hemming, J L Hutton, and A Marson. Topiramate add-on for drug resistant partial epilepsy. *The Cochrane Database of Systematic Reviews*, 1:CD001417, 2008. 10.1002/14651858.CD001417.pub2.
- [91] K Hemming, M Maguire, JL Hutton, and A Marson. Vigabatrin for refractory partial epilepsy. *Cochrane Database of Systematic Reviews*, 3:CD007302, 2008. DOI: 10.1002/14651858.CD007302.
- [92] SE Lamb, JL Marsh, JL Hutton, R Nakash, and MW Cooke. Mechanical supports for acute, severe ankle sprains: a pragmatic, multi-centre, randomised controlled trial. *Lancet*, 373:575–581, 2009.
- [93] MW Cooke, JL Marsh, M Clark, R Nakash, RM Jarvis, JL Hutton, A Sszepur, S Wilson, and S Lamb. Treatment of severe ankle sprain: a pragmatic randomised controlled trial comparing clinical and cost-effectiveness of three types of mechanical ankle support with tubigrip. the CAST trial. *Health Technology Assessment*, 11(13):iv+100, 2009. <http://www.hta.ac.uk/project/1309.asp>.
- [94] J L Hutton, M Eccles, and J M Grimshaw. Ethical issues in implementation research: a discussion of the problems in achieving informed consent. *Implementation Science*, 3:<http://www.implementationscience.com/content/3/1/52>, 2009.
- [95] PK Kimani, N Stallard, and JL Hutton. Dose selection in seamless phase (II/III) clinical trials based on efficacy and safety. *Statist.Med.*, 28:917–936, 2009.
- [96] G Surman, K Hemming, M J Platt, J Parkes, A Green, J L Hutton, and J J Kurinczuk. Children with cerebral palsy: severity and trends over time. *Paed. Peri Epidem.*, 36:513–21, 2009. DOI: 10.1111/j.1365-3016.2009.01060.x.

- [97] J L Hutton. Number needed to treat and number needed to harm are not the best way to report and assess the results of randomised clinical trials. *B. J. Haem*, 146:27–30, 2009. Invited review.
- [98] K Hemming, JL Hutton, and S Bonellie. A comparison of customized and population-based birth-weight standards: The influence of gestational age. *Eur.J.Obs. & Gyne. Rep. Biol.*, 146:41–45, 2009.
- [99] C Kilkenny, N Parsons, E Kadyszewski, MFW Festing, IC Cuthill, D Fry, JL Hutton, and DG Altman. Survey of the quality of experimental design, statistical analysis and reporting of research using animals. *PLOS one*, 2009.
- [100] K Hemming and JL Hutton. Bayesian sensitivity models for missing covariates in the analysis of survival data. *J Eval. Clin. Pract.*, 2010. doi: 10.1111/j.1365-2753.2010.01569.x.
- [101] J Anzures-Cabrera and J L Hutton. Competing risks and left truncation in A-bomb long-term survivors. *J App. Stat.*, 37:821–831, 2010.
- [102] K Hemming, JL Hutton, MG Maguire, and AG Marson. Meta-regression with partial information on summary trial or patient characteristics. *Statist.Med.*, 2010. DOI: 10.1002/sim.3848.
- [103] Carol Hawley and JL Hutton. Systematic review of the probability of future seizures after initial seizure or other event creating an increased future risk. 2010. <http://www.dft.gov.uk/pgr/roadsafety/research/rsrr/theme6/report5/>.
- [104] J L Hutton. Misleading statistics: the problems surrounding number needed to treat and number needed to harm. *Pharm. Med.*, 24:145–149, 2010. Invited, refereed review.
- [105] M Maguire, K Hemming, JM Wild, JL Hutton, and A Marson. Prevalence of visual field loss following exposure to vigabatrin therapy: A systematic review. *Epilepsia*, pages 1–9, 2010. doi: 10.1111/j.1528-1167.2010.02772.x.
- [106] JL Hutton and E Stanghellini. Modelling bounded health scores with censored skew-normal distributions. *Statist.Med.*, 31:368–376, 2011. DOI: 10.1002/sim.4104.
- [107] M Akacha and JL Hutton. Modelling the rate of change in a longitudinal study with missing data, adjusting for contact attempts. *Statist.Med.*, 2011. DOI: 10.1002/sim.4165.
- [108] P Sidebotham, B Atkins, and JL Hutton. Changes in rates of violent child deaths in England and Wales between 1974 and 2008: an analysis of national mortality data. *Arch. Dis. Ch.*, 2011. Accepted 12/3/11.