

LIST OF PUBLICATIONS BY NIELS KEIDING

**A. Research Papers in refereed journals**

1. Hald, A. & Keiding, N. (1969). Asymptotic properties of Bayesian decision rules for two terminal decisions and multiple sampling. I. *J.Roy.Statist.Soc. B* **31**, 455-471.
2. Keiding, N. (1970). The variance of the  $X_2$  mutant frequency estimate in barley. *Hereditas* **66**, 263-268.
3. Hald, A. & Keiding, N. (1972). Asymptotic properties of Bayesian decision rules for two terminal decisions and multiple sampling. II. *J.Roy.Statist.Soc. B* **34**, 55-74.
4. Keiding, N., Jensen, S.T. & Ranek, L. (1972). Maximum likelihood estimation of the size distribution of liver cell nuclei from the observed distribution in a plane section. *Biometrics* **28**, 813-829.
5. Keiding, N. & Nielsen, J.E. (1973). The growth of supercritical branching processes with random environments. *Ann.Probability* **1**, 1065-1067.
6. Keiding, S., Keiding, N. & Tygstrup, N. (1974). Effect of galactose-ethanol feeding on growth in rats. *J.Nutrit.* **104**, 294-299.
7. Keiding, N. (1974). Estimation in the birth process. *Biometrika* **61**, 71-80 and 647.
8. Paulev, P.-E., Nielsen, S.L., Neumann, F. & Keiding, N. (1974). Strain-gauge versus water plethysmography. Description of simplified systems and analysis of differences and accuracy. *Med.Biol.Eng.* July 1974, 437-445.
9. Keiding, N. (1975). Maximum likelihood estimation in the birth-and-death process. *Ann.Statist.* **3**, 363-372 and **6**, 472 (1978).
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13. Keiding, N. (1975). Extinction and exponential growth in random environments. *Theor.Pop.Biol.* **8**, 49-63.
14. Beyer, J.E., Keiding, N. & Simonsen, W. (1976). The exact behaviour of the maximum likelihood estimator in the pure birth process and the pure death process. *Scand.J.Statist.* **3**, 61-72.

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16. Athreya, K.B. & Keiding, N. (1977). Estimation theory for continuous-time branching processes. *Sankhya A* **39**, 101-123.
17. Lomholt, B. & Keiding, N. (1977). Tetrabase, an alternative to benzidine and orthotolidine for detection of hæmoglobin in urine. *Lancet*, **March 12**, 608-609.
18. Transbøl, I., Jørgensen, F.S., Hornum, I. & Keiding, N. (1977). Hypercalcaemia discrimination index: A multivariate analysis of parathyroid function in 107 hypercalcaemic patients. *Acta Endocrin.* **86**, 768-783.
19. Keiding, N. (1977). Statistical comments on Cohen's application of a simple stochastic population model to natural primate troops. *Amer.Naturalist* **111**, 1211-1219.
20. Asmussen, S. & Keiding, N. (1978). Martingale central limit theorems and asymptotic estimation theory for multitype branching processes. *Adv.Appl.Prob.* **10**, 109-129.
21. Keiding, N. & Lauritzen, S. (1978). Marginal maximum likelihood estimates and estimation of the offspring mean in a branching process. *Scand.J.Statist.* **5**, 106-110.
22. Vraa-Jensen, J., Keiding, N., Kennedy, M., Grøndahl Mikkelsen, H. & Dybdahl, H. (1979). Cancerincidens i Frederiksborg Amt og statistisk analyse. *Ugeskr.Læg.* **141**, 2931-2932.
23. Græm, N., Helweg-Larsen, K. & Keiding, N. (1980). Precision of histological grading of malignancy. *Acta path.microbiol.scand. Sect. A* **88**, 307-317.
24. Aalen, O.O., Borgan, Ø., Keiding, N. & Thormann, J. (1980). Interaction between life history events. Nonparametric analysis for prospective and retrospective data in the presence of censoring. *Scand.J.Statist.* **7**, 161-171.
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**D. Invited discussion contributions, editorials, scholarly commentaries, book reviews, encyclopedia articles.**

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1. Eijkemans, M.J.C., Leridon, H., Keiding, N. & Slama, R. A comparison of bias of the main epidemiological designs used to study fecundity and its sensitivity to environmental and lifestyle factors in the general population.
2. Keiding, N., Jensen, K.L., Rytgaard, H. & Sørensen, A.L. Prevalent cohort studies and unobserved heterogeneity.
3. Axelsson, P.B., Clausen, T.D., Petersen, A.H., Hageman, I., Pinborg, A., Kessing, L.V., Bergholt, T., Rasmussen, S.C., Keiding, N. & Løkkegaard, E.C.L. Investigating the effects of delivery by cesarean section and antibiotic use in early infancy on risk of ADHD later in life.