

## Publications. Thore Egeland

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### 2017

1. Hanssen, E. N., Lyle, R., Egeland, T., & Gill, P. (2017). Degradation in Forensic Trace DNA Samples Explored by Massively Parallel Sequencing. *Forensic Science International: Genetics*. Volume 27, 160–166.
2. Egeland T, Pinto N, Amorim A. Exact likelihood ratio calculations for pairwise cases. *Forensic Science International: Genetics*, <http://dx.doi.org/10.1016/j.fsigen.2017.04.018>.
3. García-Magariños, Manuel, and Thore Egeland. "Kinship." *Handbook of Forensic Genetics: Biodiversity and Heredity in Civil and Criminal Investigation*. 2017. 81-100.
4. D Kling, T Egeland, MH Piñero, MD Vigeland. Evaluating the statistical power of DNA-based identification, exemplified by 'The missing grandchildren of Argentina'. *Forensic Science International: Genetics* 31, 57-66.
5. Andreas O Tillmar, Daniel Kling, John M Butler, Walther Parson, Mechthild Prinz, Peter M Schneider, Thore Egeland, Leonor Gusmao. DNA Commission of the International Society for Forensic Genetics (ISFG): Guidelines on the use of X-STRs in kinship analysis. *Forensic Science International: Genetics* 29, 269-27.
6. J Gonçalves, E Conde-Sousa, T Egeland, A Amorim, N Pinto. Key individuals for discerning pedigrees belonging to the same autosomal kinship class. *Forensic Science International: Genetics* 29, 71-79.
7. AE Fonnelløp, M Ramse, T Egeland, P Gill. The implications of shedder status and background DNA on direct and secondary transfer in an attack scenario. *Forensic Science International: Genetics* 29, 48-60. Characterization of degradation and heterozygote balance by simulation of the forensic DNA analysis process
8. O Hansson, T Egeland, P Gill. *International journal of legal medicine* 131 (2), 303-317

### 2016

9. Sun, M., Jobling, M. A., Taliun, D., Pramstaller, P. P., Egeland, T., & Sheehan, N. A. (2016). On the use of dense SNP marker data for the identification of distant relative pairs. *Theoretical population biology*, 107, 1425.
10. Slooten, K Egeland, T. Exclusion probabilities and likelihood ratios with applications to mixtures (2016) *Int J Legal Medicine* 130(1), 39-57.
11. Fonnelløp, A. E., Johannessen, H., Egeland, T., & Gill, P. (2016). Contamination during criminal investigation: Detecting police contamination and secondary DNA transfer from evidence bags. *Forensic Science International: Genetics*: 23, 121-129.
12. Egeland, Thore, and Klaas Slooten. [The likelihood ratio as a random variable for linked markers in kinship analysis](#). *International Journal of Legal Medicine*. (2016): 1-12.
13. Presciuttini, Silvano, and Thore Egeland. About the number of contributors to a forensic sample. *Forensic Science International: Genetics* (2016).
14. Dørum, G., Kling, D., Tillmar, A., Vigeland, M. D., & Egeland, T. (2016). Mixtures with relatives and linked markers. *International journal of legal medicine*, 130(3), 621-634.
15. Kaur, N., Bouzga, M. M., Dørum, G., & Egeland, T. (2016). *Relationship inference based on DNA mixtures*. *International journal of legal medicine*, 130(2), 323-329.

16. Coble *et al.* DNA Commission of the International Society for Forensic Genetics: Recommendations on the validation of software programs performing biostatistical calculations for forensic genetics applications. *Forensic Science International: Genetics* 25 (2016): 191-197.
17. Flote, Vidar Gordon; Vettukattil, Muhammad Riyas; Bathen, Tone Frost; Egeland, Thore; McTiernan, Anne; Frydenberg, Hanne; Husøy, Anders; Finstad, Sissi Espetvedt; Lømo, Jon; Garred, Øystein; Schlichting, Ellen; Wist, Erik; Thune, Inger. Lipoprotein subfractions by nuclear magnetic resonance are associated with tumor characteristics in breast cancer. *Lipids in Health and Disease* 2016 ;Volum 15(56).
18. Gaudernack, Lise C; Egeland, Thore; Voldner, Nanna. Knowing the midwife before delivery reduces the prevalence of caesarean section on demand in a group of second time mothers with a complicated first delivery: *Nordic journal of nursing research* 2016 ;Volum 36.(1) s. 44-50.
19. Hansson, Nils Oskar Gunnar; Egeland, Thore; Gill, Peter. Characterization of degradation and heterozygote balance by simulation of the forensic DNA analysis process. *International Journal of Legal Medicine* (Print) 2016 p. 1-15.

## 2015

20. Gill P, Haned,H, Bleka,O, Hansson O, Dørum,G, Egeland, T (2015). Genotyping and interpretation of STR-DNA: Low-template, mixtures and database matches—Twenty years of research and development. *Forensic Science International: Genetics* Vol 19, p100-117.
21. Flote VG, Frydenberg H, Ursin G, Iversen A, Fagerland,MW, Ellison PT, Wist, EA, Egeland T, Wilsgaard T, McTiernan A, Furberg A-S, Thune, I. (2015). High-Density Lipoprotein-Cholesterol, daily estradiol and progesterone, and mammographic density phenotypes in premenopausal women. *Cancer Prevention Research*. Vol 8 p 533-544.
22. Kling, D., Tillmar, A., Egeland, T., & Mostad, P. (2014). A general model for likelihood computations of genetic marker data accounting for linkage, linkage disequilibrium, and mutations. *International journal of legal medicine*: Vol 129, Issue 5, pp 943-954.
23. Fonnøløp, Ane Elida; Egeland, Thore; Gill, Peter. Secondary and subsequent DNA transfer during criminal investigation (2015). *Forensic Science International: Genetics*; Vol 17. p. 155-162.
24. García-Magariños, M., Egeland, T., López-de-Ullibarri, I., Hjort, N. L., & Salas, A. (2015). A parametric approach to kinship hypothesis testing using identity-by-descent parameters. *Statistical applications in genetics and molecular biology*, 14(5), 465-4792014.
25. Egeland, T., Kling, D., Mostad, P., Relationship Inference with Familias and R. **Book**, Elsevier, 2015.

## 2014

21. Slooten K, Egeland T. [Exclusion probabilities and likelihood ratios with applications to kinship problems](#). *Int J Legal Medicine*, May 2014, Volume 128, Issue 3, pp 415-425.
22. Egeland T, Dørum G, Vigeland MD, Sheehan N. [Mixtures with relatives: a pedigree perspective](#). *Forensic Science International: Genetics*, Volume 10, May 2014, Pages 49–54.
23. Kaur N, Fonnøløp AE, Egeland T. [Regression Models for DNA-mixtures](#). *Forensic Science International: Genetics*, Volume 11, July 2014, Pages 105–110.

24. Dørum G; Øyvind Bleka; Peter Gill; Hinda Haned; Lars Snipen; Solve Sæbø; Thore Egeland. [Exact computation of the distribution of likelihood](#). *Forensic Science International: Genetics* Volume 9, March 2014, Pages 93–101.
25. Egeland, T, Pinto, N, Vigeland MD. [A general approach to power calculation for relationship testing](#). *Forensic Science International: Genetics* Volume 9, March 2014, Pages 186–190.
26. Dørum, Guro; Kling, Daniel; Baeza-Richer, C; Garcia-Magarinos, M; Sæbø, Solve; Desmyter, S; Egeland, Thore. [Models and implementation for relationship problems with dropout](#). *International Journal of Legal Medicine*, Volume 129, Issue 3, pp 411–423.
27. Flote, Vidar Gordon; Furberg, Anne-Sofie; McTiernan, Anne; Frydenberg, Hanne; Ursin, Giske; Iversen, Anita; Loftørød, Trygve; Ellison, Peter T.; Wist, Erik; Egeland, Thore; Wilsgaard, Tom; Makar, Karen W; Chang-Claude, Jenny; Thune, Inger. [Gene variations in oestrogen pathways, CYP19A1 , daily 17β-estradiol and mammographic density phenotypes in premenopausal women](#). *Breast Cancer Research* 2014 ;Volum 19.(16).
28. Gill, Peter; Bleka, Øyvind; Egeland, Thore. [Does an English appeal court ruling increase the risks of miscarriages of justice when complex DNA profiles are searched against the national DNA database?](#). *Forensic Science International: Genetics* 2014 ;Volum 13. s. 167-175.
29. Hansson, Nils Oskar Gunnar; Gill, Peter; Egeland, Thore. [STR-validator: An open source platform for validation and process control](#). *Forensic Science International: Genetics* 2014. Volume 13. p. 154-166.
30. Kling, Daniel; Tillmar, Andreas; Egeland, Thore. [Familias 3 - Extensions and new functionality](#). *Forensic Science International: Genetics* 2014 ;Volum 13. s. 121-127.

## 2013

31. Avershina E, Storrø O, Oien T, Johnsen R, Wilson R, Egeland T, Rudi K: Bifidobacterial succession and correlation networks in a large unselected cohort of mothers and their children. *Appl Environ Microbiol.* 2013 Jan;79(2):497-507. doi: 10.1128/AEM.02359-12. Epub 2012 Nov 2.
32. Pinto, N, Gusmão, L, Egeland, T, Amorim, A. (2013). *Paternity exclusion power: Comparative behaviour of autosomal and X-chromosomal markers in standard and deficient cases with inbreeding*. *Forensic Science International: Genetics*, 7(2), 290-295.

## 2012

32. Kling D, Egeland T, Tillmar A. FamLink—A user friendly software for linkage calculations in family genetics. *Forensic Science International: Genetics*, 2012, 6(5): 616-620.
33. Kling D, Welanders J, Tillmar A, Skare O, Egeland T, Holmlund G: DNA microarray as a tool in establishing genetic relatedness—Current status and future prospects. *Forensic Science International: Genetics*, 2012. May;6(3):322-9.
34. Kling D, Egeland T, Mostad P: Using object oriented Bayesian networks to model linkage, linkage disequilibrium and mutations between STR markers. *PLoS One.* 2012;7(9):e43873. doi: 10.1371/journal.pone.0043873. Epub 2012 Sep 11
35. Selmer KK, Gilfillan GD, Strømme P, Lyle R, Hughes T, Hjorthaug HS, Brandal K, Nakken S, Misceo D, Egeland T: A mild form of Mucopolysaccharidosis IIIB diagnosed with targeted next-generation sequencing of linked genomic regions. *European Journal of Human Genetics* 2012, 20(1): 58-63.
36. Egeland T, Fonnelløp AE, Berg PR, Kent M, Lien S. Complex mixtures: A critical examination of a paper by Homer et al. *Forensic Science International: Genetics.* 6, pp. 64-69.

37. Vigeland MD, Selmer KK, Egeland, T: Statistical methods in genetics. Book chapter in *Medical statistics in clinical and epidemiological research*, ed Marit B. Veierød, Stian Lydersen, Petter Laake, Gyldendal Akademisk 2012.
38. Toscanini U, Garcia-Magariños M, Berardi G, Egeland T, Raimondi E, Salas A: Evaluating methods to correct for population stratification when estimating paternity indexes. *PLoS One*. 2012;7(11):e49832. doi: 10.1371/journal.pone.0049832. Epub 2012 Nov 30.

## 2011

39. Egeland T, Dawid AP, Mortera J, Mostad P, Tillmar A. Response to: DNA identification by pedigree likelihood ratio accommodating population substructure and mutations. *Investig Genet*. 2011 Mar 25;2(1):7. [B], letter
40. Egeland T. Genetiske spørsmål – statistiske svar. *Tidsskr Nor Legeforening* 2011. [C], book review.
41. Eide H, Sibbern T, Egeland T, Finset A, Johannessen T, Miaskowski C, Rustøen T. Fibromyalgia Patients' Communication of Cues and Concerns: Interaction Analysis of Pain Clinic Consultations. *Clin J Pain*. 2011 Mar 22. [A]
42. Hamed H, Egeland T, Pontier D, Pène L, Gill P. Estimating drop-out probabilities in forensic DNA samples: A simulation approach to evaluate different models. *Forensic Sci Int Genet*. 2011 Jan 7. [A]
43. Egeland T, Salas A: A Statistical Framework for the Interpretation of mtDNA Mixtures: Forensic and Medical Applications. *PloS one* 2011, 6:e26723. [A]
44. Tillmar AO, Egeland T, Lindblom B, Holmlund G, Mostad P: Using X-chromosomal markers in relationship testing: Calculation of likelihood ratios taking both linkage and linkage disequilibrium into account. *Forensic Science International: Genetics* 2011 Nov;5(5):506-11. [A]

## 2010

45. Wangensteen T, Egeland T, Akselsen H, Holmen J, Undlien DE, Retterstøl L. FTO genotype and weight gain in obese and normal weight adults from a Norwegian population based cohort (the HUNT study). *Experimental and Clinical Endocrinology & Diabetes* 2010 April 6. [A]
46. Skinningsrud B, Lie B, Husebye ES, Kvien, TK, Førre, Ø, Flatø B, Stormyr A; Joner G; Njølstad PR, Egeland T, Undlien DE. A CLEC16A variant confers risk for juvenile idiopathic arthritis and anti-cyclic citrullinated peptide antibody negative rheumatoid arthritis. *Annals of the Rheumatic Diseases* 2010; Volum 69.(8). [A]

## 2009

47. Selmer KK, Eriksson AS, Brandal K, Egeland T, Tallaksen C, Undlien DE. Parental SCN1A mutation mosaicism in familial Dravet syndrome. *Clin Genet* 2009;76:398-403. [A]

48. Skare O, Sheehan N, Egeland T. Identification of distant family relationships. *Bioinformatics* 2009;25:2376-82. [A]
49. Bjørnvold M, Munthe-Kaas MC, Egeland T, Joner G, Dahl-Jørgensen K, Njølstad PR, Akselsen HE, Gervin K, Carlsen KC, Carlsen KH, Undlien DE. A TLR2 polymorphism is associated with type 1 diabetes and allergic asthma. *Genes Immun* 2009;10:181-7. [A]
50. Egeland T. Statistisk vektning av DNA-funn i straffesaker. *Tidsskrift for Strafferett* 2009;2: 190-204. [C], review.
51. Selmer KK, Brandal, K, Olstad OK, Birkenes, B, Undlien, DE, Egeland, T. Genome Wide Linkage Analysis With Clustered SNP Markers. *The Journal of Biomolecular Screening* 2009;14:92-6. [A]

## 2008

52. Egeland T, Salas A . Statistical evaluation of haploid genetic evidence. *The Open Forensic Science Journal* 2008;1: 4-11. [A]
53. Sheehan, NA and T. Egeland. Adjusting for founder relatedness in linkage analysis using prior information. *Hum Hered* 2008;65:221–231. [A]
54. Egeland T, Sheehan, NA. On identification problems requiring linked autosomal markers. *Forensic Science International: Genetics*: 2008;2:219–225. [A]. *Errata*. Equation (4) is misaligned with the pedigrees of Figure 1. The two last equations of Equation (4) should be swapped to read as shown [here](#).
55. Gilfillan GD, Selmer KK, Roxrud I, Smith R, Kyllerman M, Eiklid K, Kroken M, Mattingsdal M, Egeland T, Stenmark H, Sjøholm H, Server A, Samuelsson L, Christianson A, Tarpey P, Whibley A, Stratton MR, Futreal PA, Teague J, Edkins S, Gecz J, Turner G, Raymond FL, Schwartz C, Stevenson RE, Undlien DE, Strømme P. Mutations Cause X-Linked Mental Retardation, Microcephaly, Epilepsy, and Ataxia, a Phenotype Mimicking Angelman Syndrome. *Am J Hum Genet* 2008;82:1003-10. [A]
56. Skinningsrud B, Husebye ES, Gervin K, Løvås K, Blomhoff A, Wolff AB, Kemp EH, Egeland T, Undlien DE. Mutation screening of PTPN22: association of the 1858T-allele with Addison's disease. *Eur J Hum Genet* 2008;16:997-82. [A]
57. Munthe-Kaas MC, Carlsen KH, Håland G, Devulapalli CS, Gervin K, Egeland T, Carlsen KL, Undlien DE. T cell-specific T-box transcription factor haplotype is associated with allergic asthma in children. *Journal of Allergy and Clinical Immunology* 121.1 (2008): 51-56. [A]
58. Selmer KK, Egeland T, Solaas MH, Nakken KO, Kjeldsen MJ, Friis ML, Brandal K, Corey LA, Undlien DE. Genetic screening of Scandinavian families with febrile seizures and epilepsy or GEFS+. *Acta Neurol Scand* 2008;117:289-92. [A]
59. Skinningsrud B, Husebye ES, Pearce SH, McDonald DO, Brandal K, Bøe Wolff A, Løvås K, Egeland T, Undlien DE. Polymorphisms in CLEC16A and CIITA at 16p13 are associated with primary adrenal insufficiency. *J Clin Endocrinol Metab* 2008;93:3310-7. [A]
60. Tillmar A, Mostad P, Egeland T, Lindblom B, Holmlund G, Montelius K. Analysis of linkage and linkage disequilibrium for eight X-STR markers. *Forensic Sci Int Genet* 2008;3:37-41. [A]
61. Egeland T, Salas A. Estimating Haplotype Frequency and Coverage of Databases. *PLoS ONE* 2008 3(12): e3988. [A]
62. Selmer KK, Egeland T, Solaas MH, Nakken KO, Kjeldsen MJ, Friis ML, Brandal K, Corey LA, Undlien DE. *Comment. Acta Neurol Scand.* 2008 [B], letter

## 2007

63. Storvik G, Egeland T. The DNA database search revisited: Bridging the Bayesian-Frequentist gap. *Biometrics*, 2007;63:922-5. [A]
64. Karlsson A, Holmlund G, Egeland T, Mostad P. DNA-testing for immigration cases. The risk of erroneous conclusions. *Forensic Science International* 2007;172:144-9. [A]
65. Sheehan NA, Egeland T. Structured incorporation of prior information in relationship identification problems. *Ann Hum Genet* 2007;71:501-18. [A]
66. Munthe-Kaas MC, Gerritsen J, Carlsen KH, Undlien D, Egeland T, Skinningsrud B, Torres T, Carlsen KL. Eosinophil cationic protein (ECP) polymorphisms and association with asthma, s-ECP levels and related phenotypes. *Allergy* 2007;62:429-36. [A]
67. Munthe-Kaas MC, Carlsen KL, Carlsen KH, Egeland T, Haland G, Devulapalli CS, Akselsen H, Undlien D. HLA Dr-Dq haplotypes and the TNFA-308 polymorphism: associations with asthma and allergy. *Allergy* 2007;62:991-8. [A]
68. Haraldsen IR, Haug E, Falch J, Egeland T, Opjordsmoen S. Cross-sex pattern of bone mineral density in early onset gender identity disorder. *Horm Behav* 2007;52:334-43. [A]
69. Egeland, T, Haugen, T. Prosentiler til besvær. *Tidsskr Nor Lægeforen* 2007;127: 733-4. [C].
70. Laake P, Egeland T, Skovlund E. Statistical issues. *Research Methodology in the Medical and Biological Sciences* . Ed. Laake, Benestad and Olsen, Elsevier, 2007. [C], book chapter

## 2006

71. Haugen TB, Egeland T, Magnus O. Semen parameters in Norwegian fertile men. *J Androl* 2006;27:66-71. [A]
72. Skari H, Malt UF, Bjornland K, Egeland T, Haugen G, Skreden M, Dalholt Bjork M, Bjornstad Ostensen A, Emblem R. Prenatal diagnosis of congenital malformations and parental psychological distress—a prospective longitudinal cohort study. *Prenat Diagn* 2006;26:1001-9. [A]
73. Egeland T, Kulle B, Andreassen, R. Essen-Möller and identification based on DNA *Chance* 2006;19:27-31. [C], review

## 2005

74. Albrechtsen S, Berge LN, Bordahl PE, Egeland T, Henriksen T, Haheim LL, Oian P. External cephalic version of breech presentation at term. *Tidsskr Nor Laegeforen* 2005 Mar 3;125(5):589-90. [B]
75. Mjaland O, Normann E, Halvorsen E, Rynning S, Egeland, T. Regional cerebral perfusjon før og etter paratyreoidektomi. *Tidsskr Nor Laegeforen*. 2005 Jan 6;125(1):33-5. [B]
76. Lien G, Selvaag AM, Flato B, Haugen M, Vinje O, Sorskaar D, Dale K, Egeland T, Forre O. A two-year prospective controlled study of bone mass and bone turnover in children with early juvenile idiopathic arthritis. *Arthritis Rheum* 2005;52:833-40. [A]
77. Ronnestad A, Abrahamsen TG, Medbo S, Reigstad H, Lossius K, Kaaresen PI, Egeland T, Engelund IE, Irgens LM, Markestad T. Late-onset septicemia in a Norwegian national cohort of extremely premature infants receiving very early full human milk feeding. *Pediatrics* 2005;21:269-76. [A]

78. Haraldsen IR, Egeland T, Haug E, Finset A, Opjordsmoen S. Cross-sex hormone treatment does not change sex-sensitive cognitive performance in gender identity disorder patients. *Psychiatry Res* 2005;137:161-74. [A]

## 2004

79. Jahnsen, Reidun; Villien, L.; Egeland, T; Stanghelle, J K.; Holm, I. Locomotion skills in adults with cerebral palsy. *Clinical Rehabilitation* 2004;18:309-316. [A]
80. Haheim LL, Albrechtsen S, Berge LN, Bordahl PE, Egeland T, Henriksen T, Øian P. Breech birth at term: vaginal delivery or elective cesarean section? A systematic review of the literature by a Norwegian review team. *Acta Obstet Gynecol Scand* 2004;83:126-130. [A]
81. Dupuy BM, Stenersen M, Egeland T, Olaisen B. Y-chromosomal microsatellite mutation rates: differences in mutation rate between and within loci. *Hum Mutat* 2004;23:117-24. [A]
82. Egeland, T, Bøvelstad HM, Storvik G and Salas A. Inferring the most likely geographical origin of mtDNA sequence profiles. *Annals of Human Genetics* 2004;68: 461-471. [A]
83. Hjelmesaeth J, Sagedal S, Hartmann A, Rollag H, Egeland T, Hagen M, Nordal KP, Jenssen T. Asymptomatic cytomegalovirus infection is associated with increased risk of new-onset diabetes mellitus and impaired insulin release after renal transplantation. *Diabetologia* 2004;47:1550-6. [A]
84. Midtvedt K, Hjelmesaeth J, Hartmann A, Lund K, Paulsen D, Egeland T, Jenssen T. Insulin resistance after renal transplantation: the effect of steroid dose reduction and withdrawal. *J Am Soc Nephrol* 2004;15:3233-9. [A]
85. Laake P, Egeland T. Statistisk analyse av kategoriske data. *Bokkapittel i Forskningsmetode i medisin og biofag*, Gyldendal, Akademisk, red. Laake og Benestad, 2004. [C], book chapter

## 2003

86. Hjelmesaeth J, Jenssen T, Hagen M, Egeland T, Hartmann A. Determinants of insulin secretion after renal transplantation. *Metabolism* 2003;52:573-578. [A]
87. Mjaland O, Normann E, Halvorsen E, Rynning S, Egeland T. Regional cerebral blood flow in patients with primary hyperparathyroidism before and after successful parathyroidectomy. *Br J Surg* 2003;90:732-7. [A]
88. Haraldsen IR, Opjordsmoen S, Egeland T, Finset A. Sex-sensitive cognitive performance in untreated patients with early onset gender identity disorder. *Psychoneuroendocrinology* 2003;28:906-15. [A]
89. Lien G, Flato B, Haugen M, Vinje O, Sorskaar D, Dale K, Johnston V, Egeland T, Forre O. Frequency of osteopenia in adolescents with early-onset juvenile idiopathic arthritis: a long-term outcome study of one hundred five patients. *Arthritis Rheum* 2003;48:2214-23. [A]
90. Egeland T, Dalen I, Mostad PF. Estimating the number of contributors to a DNA profile. *Int J Legal Medicine* 2003;117:271-5. [A].
91. Boberg KM, Egeland T, Schruppf E. Long-term effect of corticosteroid treatment in primary sclerosing cholangitis patients. *Scand J Gastroenterol* 2003;38:991-5. [A]
92. Fell AK, Thomassen TR, Kristensen P, Egeland T, Kongerud J. Respiratory symptoms and ventilatory function in workers exposed to portland cement dust. *J Occup Environ Med* 2003;45:1008-14. [A]

93. Nord C, Fossa SD, Egeland T. Excessive annual BMI increase after chemotherapy among young survivors of testicular cancer. *Br J Cancer* 2003;88:36-41. [A]
94. Jahnsen R, Haugen L, Villien L, Egeland T, Stanghelle J K, Holm I. Kommer hun til å kunne gå? *CP bladet* 2003;1:3-4. [C]
95. Øian P, Albrechtsen S, Berge LN, Børdahl PE, Egeland T, Henriksen T, Håheim LL. Term breech delivery- Assisted vaginal delivery or cesarean section? *Norwegian Centre for Health Technology Assessment*. Report no. 3/ 2003, pp.1-120. [C]

## 2002

96. Egeland T, Mostad PF. Statistical genetics and genetical statistics: a forensic perspective. *Scandinavian Journal of Statistics* 2002;29:297-307. [A]
97. Hjelmesaeth J, Hagen M, Hartmann A, Midtvedt K, Egeland T, Jenssen T. The impact of impaired insulin release and insulin resistance on glucose intolerance after renal transplantation. *Clin Transplant* 2002;16:389-96. [A]
98. Boberg KM, Bergquist A, Mitchell S, Pares A, Rosina F, Broome U, Chapman R, Fausa O, Egeland T, Rocca G, Schrupf E. Cholangiocarcinoma in primary sclerosing cholangitis: risk factors and clinical presentation. *Scand J Gastroenterol* 2002;37:1205-11. [A]
99. Skari H, Skreden M, Malt UF, Dalholt M, Ostensen AB, Egeland T, Emblem R. Comparative levels of psychological distress, stress symptoms, depression and anxiety after childbirth--a prospective population-based study of mothers and fathers. *BJOG* 2002 Oct;109(10):1154-63. [A]
100. Hjelmesaeth J, Jenssen T, Egeland T, Hagen M, Hartmann A. Response to Montori et al. Post-transplantation diabetes (PTD), risk factors for its development, prognostic implications, and optimal management of the disease. *Diabetes Care* 2002;25:1667; discussion 1667-8. [A]
101. Opdal SH, Vege A, Egeland T, Musse MA, Rognum TO. Possible role of mtDNA mutations in sudden infant death. *Pediatr Neurol* 2002;27:23-29. [A]
102. Boberg KM, Rocca G, Egeland T, Bergquist A, Broomé U, Caballeria L, Chapman R, Hultcrantz R, Mitchell S, Pares A, Rosina F, Schrupf E. Time-dependent Cox regression model is superior in prediction of prognosis in primary sclerosing cholangitis. *Hepatology*. 2002 Mar;35(3):652-7. [A]
103. Flato B, Smerdel A, Johnston V, Lien G, Dale K, Vinje O, Egeland T, Sorskaar D, Forre O. The influence of patient characteristics, disease variables, and HLA alleles on the development of radiographically evident sacroiliitis in juvenile idiopathic arthritis. *Arthritis Rheum* 2002;46:986-94. [A]
104. Nord C, Fossa SD, Egeland T. Young age as an important risk factor of excessive annual BMI increase in survivors of testicular cancer. *Int J of Cancer* 2002;13:373-374. [G]



## 2001

105. Saetre T, Høiby EA, Aspelin T, Lermark G, Egeland T, Svindland A, Lyberg T. Aminoethyl-isothiourea inhibits the increase in plasma endothelin-1 caused by serogroup a streptococci and prolongs survival in rat peritoneal sepsis. *Shock* 2001 Jun;15:446-52. [A]
106. Hjelvesæth J, Hartmann A, Midtvedt K, Aakhus S, Stenstrom J, Morkrid L, Egeland T, Tordarson H, Fauchald P. Metabolic cardiovascular syndrome after renal transplantation. *Nephrol Dial Transplant* 2001;16:1047-52. [A]
107. Hjelvesæth J, Hartmann A, Kofstad J, Egeland T, Stenstrom J, Fauchald P. Tapering off prednisolone and cyclosporin the first year after renal transplantation: the effect on glucose tolerance. *Nephrol Dial Transplant* 2001;16:829-35. [A]
108. Dupuy BM, Andreassen R, Flonas AG, Tomassen K, Egeland T, Brion M, Carracedo A, Olaisen B. Y-chromosome variation in a Norwegian population sample. *Forensic Sci Int* 2001;117:163-173. [A]
109. Egeland T. Selection and Causality. In *Radiation*, ed Brune *et al.*, Scandinavian Science Publisher, 2001. [C], book chapter

## 2000

110. Egeland T, Mostad PF, Mevåg B, Stenersen M. Beyond traditional paternity and identification cases: Selecting the most probable pedigree. *For Sci Int* 2000;110:47-59. [A]
111. Celius EG, Harbo HF, Egeland T, et al. Sex and age at diagnosis are correlated with the HLA-DR2, DQ6 haplotype in multiple sclerosis. *Journal of the neurological sciences* 2000;178:132-135. [A]
112. Jørgensen B, Simonsen S, Endresen K, Forfang K, Egeland T, Thaulow E. Physiological response to gain and loss in coronary minimal luminal diameter in patients treated with coronary angioplasty. Prediction of restenosis by exercise capacity. *American Heart Journal* 2000;139:482-90. [A]
113. Skari H, Bjornland K, Haugen G, Egeland T, Emblem R. Congenital diaphragmatic hernia: a meta-analysis of mortality factors. *J Pediatr Surg* 2000;35:1187-97. [A]
114. Boberg KM, Spurkland A, Rocca G, Egeland T, Saarinen S, Mitchell S, Broome U, Chapman R, Olerup O, Pares A, Rosina F, Schrupf E. The HLA-DR3,DQ2 heterozygous genotype is associated with an accelerated progression of primary sclerosing cholangitis. *Scand J Gastroenterol* 2000;36:886-90. [A]
115. Egeland T. Statistical Science in the Courtroom. *Stat in Medicine* 20 (14) 2001: Joseph L Gastwirth (ed.), Springer-Verlag, New York, 2000. [C], book review
116. Thelle D, Nilsson S, Egeland T. Genetisk epidemiologi. *Epidemiologiske og kliniske forskningsmetoder 2000*. Red: Laake, Hjartåker, Thelle, Veierød, Gyldendal Akademisk, Oslo. [C], book chapter

## 1999

117. Mugnaini EN, Egeland T, Spurkland A, Brinchmann JE. The T cell receptor repertoire of CD8+CD28- T lymphocytes is dominated by expanded clones that persist over time. *Clin Exp Immunol* 1999 Aug;117(2):298-303. [A]

118. Mugnaini EN, Egeland T, Syversven AM, Spurkland A, Brinchmann JE. Molecular analysis of the complementarity determining region 3 of the human T cell receptor beta chain. Establishment of a reference panel of CDR3 lengths from phytohaemagglutinin activated lymphocytes. *J Immunol Methods* 1999;223:207-16. [A]
119. Boberg KM, Brosstad F, Egeland T, Schrupf E. Is a prolonged bleeding time associated with an increased risk of hemorrhage after liver biopsy? *Thromb Haemost* 1999;81:378-81. [A]
120. Jørgensen, B Simonsen S, Endresen K, Forfang K, Egeland T, Høstmark AT, Thaulow E. Luminal loss and restenosis after coronary angioplasty. The role of lipoproteins and lipids. *European Heart Journal* 1999;20:1407-14. [A]
121. Westergren T, Abrahamsen T, Egeland T. Forbruk av antiinfeksiøse legemidler ved barneavdelingene i helseregion 2. *Tidsskr Nor Lægeforen*. 1999;18:2640-4. [B]

## 1998

122. Opdal SH, Rognum TO, Vege AA, Stave AK, Dupuy BM, Egeland T. Increased number of substitutions in the D-loop of mitochondrial DNA in the sudden infant death syndrome. *Acta Pædiat* 1998;87:1039-44. [A]
123. Diseth T, Egeland T, Emblem R. Effects of Anal Invasive Treatment and Incontinence on Mental health and Psychosocial Functioning of Adolescents with Hirschsprung's Disease and Low Anorectal Anomalies. *J Pediatric Surgery* 1998;33:468-475. [A]
124. Egeland T, Mevåg B, Stenersen M, Mostad PF. Tallfesting av beviskraften i DNA. *Nordisk Rettsmedisin* 1998;4:85-108. [C], review
125. Mugnaini EN, Spurkland A, Egeland T, Sannes M, Brinchmann J.E. Demonstration of identical expanded clones within both CD8 and CD28 and CD8 and CD28 T cell subsets in HIV type 1-infected individuals. *Eur J Immunol* 1998;28:1738-1742. [A]
126. Lote K, Egeland T, Hager B, Skullerud K, Hirschberg, H. Prognostic significance of CT contrast enhancement within histological subgroups of intracranial glioma. *J Neurooncol* 1998;40:161-70. [A]
127. Lote K, Egeland T. Published and Perished- The Lote-Egeland Theorem. *J of Irreproducible Results*. 1998;43:29-31. [G]

## 1997

128. Moser MB, Trommald M, Egeland T, Andersen P. Spatial training in adult rats is followed by increased spine synapse density in a subset of CA1 pyramidal cells. *J Comp Neurol* 1997;380:373-381. [A]
129. Hjelmæsæth J, Hartmann A, Kofstad J, Stenstrøm J, Leivestad T, Egeland T, Fauchald P. Glucose intolerance after renal transplantation depends upon prednisolone dose and recipient age. *Transplantation* 1997;64:979-983. [A]
130. Lote K, Egeland T, Hager B, Stenwig B, Skullerud K, Berg-Johnsen J, Storm Mathisen I, Hirschberg H. Survival, prognostic factors, and therapeutic efficacy in low-grade glioma: a retrospective study in 379 patients. *J Clin Oncol* 1997 9:3129-3140. [A]
131. Egeland T, Hoff-Olsen P, Magnus Ø. Excessive use of a single donor? And inadvertent consanguinity. *Fertil Steril* 1997 67;1181-1183. [B], letter

132. Lia O, Omre H, Tjelmeland H, Holden L, Egeland T. Uncertainties in reservoir production forecasts. *AAPG Bulletin-American Association of petroleum geologists* 1997;81:775-802. [A]
133. Egeland T, Mostad PF, Olaisen B. A computerised method for calculating the probability of pedigrees from genetic data. *Science Justice* 1997;37:269-274. [A]
134. Foss Abrahamsen A, Egeland T, Hansen S, Langholm R, Holte H, Kvaløy S. Hodgkin's disease in a national and hospital population: Trends over 20 years. *European J of Cancer* 1997;33:2380-2383. [A]
135. Aalen O.O, Egeland T. Ufortjent skinn av objektivitet. *Aftenposten*, 16/12/97. [G]

## 1996

136. Andreassen R, Egeland T, Olaisen B. Mutation rate in the hypervariable VNTR g3 (D7S22) is affected by allele length and a flanking DNA sequence of polymorphism near the repeat array. *American Journal of Human Genetics*, 59(2): 360-7, 1996. [A]
137. Mostad PF, Egeland T, Hjort NL, Kraggerud AG, Biver P. Variogram estimation in a Bayesian framework. *Proc. 5 Int. Geostatistics Congress, Sept. 1996*, Wollongong, Australia. [B]

## 1995

138. Bølviken E, Egeland T. Arson, statistics and the law: Can the defendant's proximity to a large number of fires be explained by chance? *Science and Justice* 1995;35:97-104. [A]
139. Egeland T, Georgsen F, Skare Ø, Alabert F. Analytical calculations related to facies simulation. *Mathematical Geology* 1995;27(3): 391-398. [A]
140. Egeland T. Matematiske og statistiske aspekter ved farskapsdiagnostikken ved Rettsmedisinsk Institutt i Oslo (RMI). SAND/09/95. Norwegian Computing Centre, Report. [B]

## 1994

141. Egeland T. When is a system better than the average of its components? *Probability in the engineering and information sciences* 1994;3:431-434. [A]
142. Larsen E, Kristoffersen S, Egeland T. Functional integration in design and use of a system for design of statistical experiments. *EPCC 94, European petroleum computer conference. Proceedings*. Aberdeen, U.K. March 15-17, 431-439, 1994. [B]
143. Egeland T, Holden L. Datamaskinen som laboratorium. *Normat (Nordisk Matematisk Tidsskrift)* 1994;42:19-24. [C], review

## 1993

144. Egeland T, Eide A, Holden L. Automatic history matching. NR Notat, SAND/08/93, 1993. 78 s. Norwegian Computing Centre, Report. [B]
145. Damsleth E, Egeland T, Henriquez A. Landbruk og petroleum. Teknisk Ukeblad, no 31, 1993. s.26-27. [G]
146. Egeland T, Georgsen F, Knarud R, Omre H. Multi facies modelling of fluvial reservoirs. *68th Annual Technical Conference and Exhibition of the Society of Petroleum Engineers. Proceedings. Houston, TX*. October 3-6, 863-872, 1993. [B]
147. Georgsen F, Egeland T, Knarud R, Omre H. Conditional simulation of facies architecture in fluvial reservoirs. *Workshop on geostatistical simulations. Proceedings. Fontainebleau, France*. May 27-28, 235-250, 1993. [B]
148. Solberg R, Egeland T. Automatic feature selection in hyperspectral satellite imagery. *IGARSS'93 Conference. Proceedings. Tokyo*. Aug.18-21, A1-A4, 1993. [B]
149. Storvik G, Egeland T, Holden L, Tjelmeland, H. Markov Chain simulations for analysis of marked point processes. NR Rapport, no 869, 1993. 34 s. ISBN: 82-539-0364-2. [B]

## 1993

150. Egeland T. On the S-shaped theorem. *Statistics and probability letters* 1992;13:1-4. [A]
151. Egeland T. Mixing dependence and system reliability. *Scandinavian Journal of Statistics*. 1992;19(2):173-184. [A]
152. Egeland T. Pålitelighetsanalyse og risikoanalyse. *Tilfeldig Gang*. 1992. [C], book review
153. Abrahamsen P, Egeland T, Lia O, Omre H. An integrated approach to prediction of hydrocarbon in place and recoverable reserve with uncertainty measures. *First SPE European Petroleum Computer Conference. Proceedings SPE 24276* 1992:151-161. [B]
154. Egeland T, Hatlebakk E, Holden L, Larsen E. Designing better decisions. *First SPE European Petroleum Computer Conference. Proceedings SPE 24275*. Stavanger, pp 143-150, 1992. [B]

## 1991

155. Egeland T. Two trends in reliability. *Structural Safety* 1991;9:261-268. [A]
156. Egeland T. Tunge beregninger og forsøksplanlegging. InfoTech '91, Den norske Dataforening. Oslo;1991: 10 pages. [C]
157. Egeland T, Huseby AB. On dependence and reliability computations. *Networks* 1991;21:521-545. [A]

## 1985-1990

158. Madsen HO, Egeland T. Structural reliability - models and applications. *International Statistical Review* 1989;54:185-203. [C], review
159. Egeland T. On dependence and system reliability. University of Oslo, 1989. [B], PhD Thesis
160. Egeland T, Tvedt L. Parallel systems of series subsystems. In Reliability and optimization of structural systems, ed. P.Thoft-Christensen, Springer, 109-118, 1987. [B], book chapter
161. Egeland T, Madsen HO, Slatcher S. Probabilistic analysis of the Oseberg GBS foundation against failure in cyclic loading. Veritas Research report, no 86-2012, 1986. [B]
162. Egeland T. Dependence and its consequences for reliability calculations. *Cand. scient thesis*. University of Oslo, 1985. [B]