

Journal Publications

2020	The risk of poor ovarian response during repeat in-vitro fertilisation	A Papathanasiou and N Mawal	Reproductive Biomedicine Online (RBMO): https://doi.org/10.1016/j.rbmo.2020.12.001
2020	Methylation: An Ineluctable Biochemical and Physiological Process Essential to the Transmission of Life (Review)	Y Ménézo, P Clement, A Clement, K Elder	International Journal of Molecular Sciences 2020, 21, 9311: https://www.mdpi.com/1422-0067/21/23/9311/pdf
2020	Initiation of a conserved trophoctoderm program in human, cow and mouse embryos	Gerri C, McCarthy A, Alanis-Lobato G et al.	Nature, 23 September 2020. DOI:10.1038/s41586-020-2759-x 2020
2020	Parental genome unification is highly erroneous in mammalian embryos	T Cavazza, AZ Politi, P Aldag et al.	bioRxiv preprint doi: https://doi.org/10.1101/2020.08.27.269779 .
2020	IGF1-mediated human embryonic stem cell self-renewal recapitulates the embryonic niche	S Waimatha, KJ Grybel, G Alanis-Lobato et al.	Nature Communications, 11:764, February 2020
2020	Epigenetic remodelling of chromatin in human ART: addressing deficiencies in culture media (Review)	Y Menezo and K Elder	Journal of Assisted Reproduction and Genetics 37, 1781-1788, July 2020
2020	COVID-19 screening during fertility treatment: How do guidelines compare against each other?	A Papathanasiou	Journal of Assisted Reproduction and Genetics July 2020
2019	Meiotic Kinetochores Fragment into Multiple Lobes upon Cohesin Loss in Aging Eggs	A Zielinska, E Bellou, N Sharma et al.	Current Biology 29, 3749–3765
2019	The negative impact of the environment on methylation/ epigenetic marking in gametes and embryos: A plea for action to protect the fertility of future generations	Y Menezo, K Elder, B Dale	Molecular Reproduction and Development 86:1273–1282
2019	Chromosome errors in human eggs shape natural fertility over	J Gruhn, A Zielinska, V Shukula et al (2019)	Science 365(6460):1466-1469 DOI: 10.1126/science.aav7321

reproductive life span			
2018	Management of the sub-fertile couple in Primary care	A Papathanasiou, N Mawal, M Edris	The British Journal of Family Medicine Sept-Oct 2018
2017	Re-freezing of embryos: Is it worth another chance?	Charikleia Papanikou	The Embryologist, Spring 2017
2017	Genome editing reveals a role for OCT4 in human embryogenesis	N Fogarty A Mccarthy, K Snijders, B Powell, N Kubikova, P Blakeley, Lea R, K Elder , S Wamaitha, D Kim, V Maciulyte, J Kleinjung, J Kim, D Wells, A Bertero, J Turner, K Niakan	Nature, Year Published: (2017) Volume Number: 550, Article Number: 67-73
2017	Let's Slow Down the Race for Oocyte Donation: A Plea for Better Management of Young Women with Reduced Ovarian Reserve	D Cornet, S Alvarez,, L Jacquesson-Fournols , M Cohen, K Elder , Y Ménézo	J Gynecol Women's Health 4(4): JGWH.MS.ID.555646
2017	Time to re-evaluate ART protocols in the light of advances in knowledge about methylation and epigenetic: an opinion paper	Y Menezo, B Dale, K Elder	Human Fertility, April 2017
2016	Oxidative stress and alterations in DNA methylation: two sides of the same coin in reproduction	Y Menezo, E Silvestris, B Dale, K Elder	Reproductive Biomedicine Online 33 (6), 668-683
2016	Isolation and expression of the human gametocyte-specific factor 1 gene (GTSF1) in fetal ovary, oocytes and preimplantation	J Huntriss, J Lu, K Hemmings, R Bayne, R Anderson, A Rutherford, A Balen K Elder , H M Picton	J Assist Preprod Genet 2016 Sep 19. Epub 2016 2016 Sep 19: doi:10.1007/s10815-016-0795-0

embryos

2016	Who benefits from PGS?	B Dale, Y Menezo, K Elder	Austin J In Vitro Fertiliz. 2016; 3(1): 1026-7
2016	Observational studies, statistical tests and bias arising from case-control comparisons	A Papathanasiou	Human Reproduction 31(1), 219-220
2016	Trends in 'poor responder' research: lessons learned from RCTs in assisted conception	A Papathanasiou , BJ Searle, NMA King, S Bhattacharya	Human Reproduction Update 02/02/2016
2015	Sister kinetochore splitting and precocious disintegration of bivalents could explain the maternal age effect	A Zielinska, Z Holubcova, M Blayney , K Elder , M Schuh	elife2015;10.7554/eLife.11389
2015	Defining the three cell lineages of the human blastocyst by single-cell RNA-seq	P Blakeley, NME Fogarty, I del Valle, T X Hu, K Elder , P Snell , L Christie , P Robson, K Niakan	Development 2015 142:3151-3165; doi: 10.1242/dev.123547 dev.biologists.org/content/142/18/3151.full.pdf
2015	A link between increased prevalence of ASD syndromes and oxidative stress, DNA methylation and imprinting: the impact of the environment	Ménézo YR, Elder K , Dale B	JAMA Pediatr. Published online September 28, 2015. doi:1001/jamapediatrics.2015.2125
2015	Deoxyribonucleic acid methylation profiling of single human blastocysts by methylated CpG-island amplification coupled with CpG-island microarray	Huntriss J, Hemmings K, Baskaran P, Hazelwood L, Elder K , Virtanen C, Miller D, Picton HM	Fertility & Sterility 103 (6), 1566 – 1571. doi:10.1016/j.fertnstert.2015.03.020
2015	Human Oocytes: Error-prone chromosome mediated spindle assembly favours chromosome	Holubcova Z, Elder K , Blayney M & Schuh, M	Science 348(6239):1143-7 . Awarded the prize for Best Oral Presentation on a basic science topic at ESHRE (Lisbon), June 2015

segregation defect in
human oocytes

2015	The Oldham Notebooks: an analysis of the development of IVF 1969–1978. I. Introduction, materials and methods	Elder K , Johnson MH	Reprod Biomedicine & Society Online 1(1), 3-8
2015	The Oldham Notebooks: an analysis of the development of IVF 1969–1978. II. The treatment cycles and their outcomes	Elder K , Johnson MH	Reprod Biomedicine & Society Online 1(1), 9-18
2015	The Oldham Notebooks: an analysis of the development of IVF 1969–1978. III. Variations in procedures	Elder K , Johnson MH	Reprod Biomedicine & Society Online 1(1), 19-33
2015	The Oldham Notebooks: an analysis of the development of IVF 1969–1978. IV. Ethical aspects	Johnson MH, Elder K	Reprod Biomedicine & Society Online 1(1), 34-45
2015	The Oldham Notebooks: an analysis of the development of IVF 1969–1978. V. The role of Jean Purdy re-assessed	Johnson MH, Elder K	Reprod Biomedicine & Society Online 1(1), 46-57
2015	Prognostic Factors for IVF Success: Diagnostic Testing and Evidence-Based Interventions	Papathanasiou A , Bhattacharya S	Semin Reprod Med 33, 65–76
2014	Deep vein thrombosis and acute renal insufficiency after in vitro fertilization in a medically complicated patient	Papathanasiou A , Kalampokas T, Maheshwari A.	Fertil Sci Res [serial online] 2014 [cited 2015 Aug 20];1:104-8
2014	Morphological assessment of embryo quality during assisted	Papathanasiou A , Osmani B , Teoh PJ, Maheshwari A	Fertil Sci Res [serial online] 2014 [cited 2015 Aug 20];1:67-80

	reproduction: A systematic review		
2014	The oviduct: a neglected organ due for re-assessment in IVF	Ménézo YR, Guerin P, Elder K	RBMonline 30 (3), 233-240
2014	Rheotaxis facilitates upstream navigation of mammalian sperm cells	Vasily, Dunkel J, Blayney M , Goldstein RE	elife 2014;3:e02403
2013	New insights into human pre-implantation metabolism in vivo and in vitro	Y. Ménézo, I. Lichtblau, K.Elder	JARG 30(3):293-303
2013	Variable imprinting of the MEST gene in human preimplantation embryos	Huntriss JD, Hemmings KE, Hinkins M, Rutherford AJ, Sturmey RG, Elder K , Picton HM	Eur J Hum Genet. 21 (1):40-7
2012	Human hypoblast formation is not dependent on FGF signalling	Roode M, Blair K, Snell P , Elder K , Marchant S, Smith A, Nichols J	Dev Biol. 361 (2): 358-63
2012	Culture Systems: embryo co-culture	Menezo YJ, Servy E, Veiga A, Hazout A, Elder K	Methods Mol Biol. 912, 231-47
2012	Embryos under surveillance!	Kay Elder	RBM Online 25 (4), 337-338
2011	Autism, imprinting and epigenetic disorders: a metabolic syndrome linked to anomalies in homocysteine recycling starting in early life??	Y Ménézo, P Mares, M Cohen, M Brack, S Viville, K Elder	JARG 28(12),1143-5
2011	Global DNA Methylation Profiling of Single Human Blastocysts on CpG Island Arrays	Huntriss, J, Elder, K , Hemmings, K, Miller, D, HM (2011)	Human Fertility 14 (2), 131-146. Awarded Best Overall Scientific Presentation, British Fertility Society Annual Meeting, Dublin, Jan. 2011
2010	Egg sharing for assisted conception: a window on oocyte quality	Faddy M, Elder K , Gosden R	RBM Online (2011) 22,88-93
2010	DNA methylation and gene expression in IVF	Menezo Y, Elder K , Benkhalifa M, Dale B	RBM Online 20 (6), 709-710

2010	Quantitative Methylation Analysis of Multiple Imprinted Gene Differentially Methylated Regions in Single Human Blastocysts by Pyrosequencing	Huntriss, J, Woodfine, K, Huddleston, J, Murrell A, Rutherford, A, Elder, K , Hemmings, K, Picton, HM	Fertility and Sterility 95, 2564–2567
2009	Length of androgen receptor-CAG repeats in fertile and infertile Egyptian men.	Badran WA, Fahmy I, Abdel-Megid WM, Elder K , Mansour R, Kent-First M	J Androl. 2009 30(4):416-25
2008	The rates of de novo meiotic deletions and duplications causing genomic disorders in the male germline.	Turner DJ, Miretti M, Rajan D, Fiegler H, Carter NP, Blayney ML , Beck S Hurles ME	Nature Genetics, 2008 Jan 40 (1):90-5
2008	Impact of gonadotrophin stimulation for assisted reproductive technology on ovarian ageing and menopause	K Elder, T Mathews, E Kutner, E Kim, D Espenberg, M Faddy, R Gosden	RBMonline 16 (5), 611-616
2008	Responsibility and accountability of authors and co-authors.	T Tulandi, K Elder , J Cohen	RBMonline 16 (6), 763/764
2008	Optimal follicle and oocyte numbers for cryopreservation of all embryos in IVF cycles at risk of OHSS	GR Verwoerd, T Mathews, P Brinsden	RBMonline 17 (3), 312-317
2007	Meet our Deputy Editor	Elder KT	RBMonline 16(5), 607
2006	Explaining success rates in IVF	Elder, KT	Capital Doctor 50, 17-18
2006	Infection control in the IVF laboratory.	Elder, KT	Embryo Talk 1,1:36-42
2006	Treatment strategies in assisted reproduction for women of advanced maternal age	CM Howles, C-H Kim, K Elder	Int Surg 91:S37-S54
2006	Soluble HLA-G release by the human embryo:	Y Ménézo, K Elder and S Viville	RBMonline 13 (6), 763-764

An interesting artefact ?

2006	Case report: Unusual presentation of a woman with polycystic ovaries and complex endometrial pathology.	K Marikinti	RBMonline 12 (1), 39-42
2005	'The presence of blood in the transfer catheter negatively influences outcome at embryo transfer'.	Marikinti K, Brinsden PR	Hum Reprod. 20(7), 2029-30.
2005	Implantation failures: success with quarter laser zona thinning assisted hatching	Petersen CG, Mauri AL, Baruffi RL, Oliveira JBA, Massaro FC, Elder K and Franco Jr JG	RBMonline, 10(2), 224-229
2005	Oocyte number per live birth in IVF: were Steptoe and Edwards less wasteful?	Inge, G., Brinsden, PR, Elder, KT	Human Reproduction, 20(3): 588-59
2004	Cytoplasmic transfer in oocytes: biochemical aspects	Levy, R, Elder, K , & Menezo, Y	Human Reproduction Update 10:1-10
2004	IVF laboratory cleaning protocols.	Elder, KT , Elliott, T	JARG 21:63-64
2003	Effect of position of the meiotic spindle on the outcome of intracytoplasmic sperm injection	Avery, S, Blayney, ML	Human Fertility. 6 19-22.
2003	Choosing the right embryo: towards single embryo transfer	Elder, KT	Journal of the Federation of Latin American Fertility Societies (FLASEF), (translated into Spanish)
2003	Quality control in ART	Elder, KT , Kastrop, P	Journal of the Federation of Latin American Fertility Societies (FLASEF), (translated into Spanish)
2003	Controlling the high order multiple birth	Brinsden PR	RBMonline 6(3), 339-344.

	rate:the European perspective		
2002	Livebirth resulting from emergency TESE, after unexpected three consecutive total necrozoospermic samples on day of oocyte recovery: a case report.	Marcus, SF, Blayney, ML, Louis, E, Burnley, A, Brinsden, P	Middle East Fertility Society Journal. 7(2), 145-148.
2001	A physiological replacement for polyvinylpyrrolidone (PVP) in assisted reproductive technology	Barak, Y., Menezo, Y., Veiga, A., and Elder, K.	Human Fertility 4, 99-103
2000	Treatment by in vitro fertilisation with surrogacy: experience of one British centre	Brinsden, P. R. , Appleton, T. C., Murray, E., Hussein, M., Akagbosu, F.	BMJ 320 (1) Education and Debate
2000	Has clinical practice been changed by the Human Fertilisation and Embryology Act 1990?	Brinsden, P. R.	Human Fertility 3, 116-12
2000	The case for routine HIV screening before IVF treatment: A survey of UK IVF centre policies	Marcus S F, Avery S M, Abusheikha N, Marchus N K, and Brinsden P	Human Reproduction 15 (8) 1657-1661
1999	How useful is cervical dilation in patients with cervical stenosis who are participating in an in vitro fertilization-embryo transfer program? The Bourn Hall experience	Abusheikha N, Lass A, Akagbosu, F, Brinsden, P	Fertility and Sterility 72 (4)
1999	Letters to the Editor The effect of a difficult embryo transfer on the outcome of IVF	Lass, L, (1999)	Human Reproduction vol 14 no 9 pp 2417-2420 1999
1999	The effect of a difficult embryo transfer on the outcome of IVF	Lass, A, Abusheikha, N, Brinsden, P	Hum Reprod Update 5 (3) 256-266
1999	Cancer Patients should	Lass, A	BMJ 318, 5 June

	be offered semen cryopreservation		
1999	The role of ovarian volume in reproductive medicine	Lass, A, Brinsden, P	Hum Reprod Update 5 (3) 256-266
1998	A programme of semen cryopreservation for patients with malignant disease in a tertiary infertility centre: lessons from 8 years' experience	Lass, A, Akagbosu, F, Blayney, M, Avery, S, Brinsden, P, et al	Hum Reprod 13 (11) 3256-3261
1998	Electron Microscopy of Cryopreserved Human Spermatozoa, (Abstract),	Avery, S, Morris, GJ, Blayney, ML	Hum Reprod 13 (1), 279
1997	Transrectal electroejaculation combined with in-vitro fertilization: effective treatment of anejaculatory infertility due to spinal cord injury	Brinsden, PR, Avery, S, Marcus, S, Macnamee, M	Hum Reprod 12 (12) 2687-2692
1996	Human embryo freezing: current conditions and concerns	Brinsden, PR	Br. J. of Obs & Gynae 102, 767-772
1995	The prediction of ectopic pregnancy after in-vitro Fertilization and embryo transfer	Marcus, SF, Macnamee, M, and Brinsden, P	Hum Reprod 10 (8) 2165 – 2168
1995	Diagnosis, prevention and management of ovarian hyperstimulation syndrome	Brinsden, P, Balen A et al	Br. J. of Obs & Gynae 102, 767-772
1995	An evaluation of the effect of Pentoxiphylline on sperm function and treatment outcome of male-factor infertility: A	Fountain, S, Rizk, P, Avery, S, Palmer, C, Blayney, M, Mills, C, Brinsden, P	JARG 12 (10), 704-9

	preliminary study.		
1995	Successful use of Pentoxifylline in male-factor infertility and previous failure of fertilization: A prospective randomized study.	Rizk, B, Fountain, S, Avery, S, Blayney, M , Macnamee, M, Mills, C, Brinsden, P	JARG 12 (10), 710-14
1995	Stage specific expression of cytokine and receptor messenger ribonucleic acids in human preimplantation embryos.	Sharkey, A, Dellow, K, Blayney, M , Charnock-Jones, S, Smith, S	Biology of Reproduction 53 (4): 974-81
1994	Tuberculous Infertility and in vitro Fertilization	Marcus, SF , Rizk, B, Fountain, S , Brinsden, P	Am. J of Obs & Gynae 171 (6), 1593 – 1596
1994	Birth characteristics and perinatal outcome of babies conceived from cryopreserved embryos	Wada, I , Macnamee, MC , Wick, K , Bradfield, JM , Brinsden, PR	Hum Reprod 9 (3) 543-546 1994
1994	Clinical experience with highly purified FSH. Newsletter: Gonadotrophin for the 90's	Brinsden, PR	Excerpta Medica Asia Ltd vol 1 no.1
1994	High rates of pregnancy after long-term down-regulation of women with severe endometriosis	Marcus, SF , Edwards, RG	Am. J. of Obs & Gynae Vol 171 (3) 812 -817
1993	Comparative trial between an ultra-short and long protocol of luteinizing hormone-releasing hormone agonist for ovarian stimulation in in-vitro Fertilization	Marcus, SF , Brinsden, PR , Macnamee, M , Rainsbury, PA , Elder, KT , Edwards, RG	Hum Reprod 8 (2) 238- 243
1992	Pronuclear, cleavage and blastocyst histories in the attempted preimplantation	Edwards, RG , Crow, J , Dale, S , Macnamee, MC , Hartshorne, GM , Brinsden, P	Hum Reprod 7, 994-998

	diagnosis of the human hydatidiform mole		
1991	Replacement of frozen-thawed embryos in artificial and natural cycles: A prospective semi-randomized study	Sathanandan, M, Macnamee, MC, Rainsbury, R, Wick, K, Brinsden, P, Edwards, RG	Hum Reprod 6 (5) 685-687
1991	Perinatal outcome and congenital malformations in in-vitro fertilization babies from the Bourn-Hallam group	Rizk, B, Doyle, P, Tan, SL, Rainsbury, P, Betts, J, Brinsden, P, Edwards, R	Hum Reprod 6 (9) 1259-1264
1991	The influence of in vitro development upon post-thaw survival and implantation of cryopreserved human blastocysts	Hartshorne, GM, Elder, K, Crow, J, Dyson, H, Edwards, RG	Hum Reprod 6, 136-41
1991	Intercellular Communication in the Early Human Embryo	Dale, B, Elder, K et al	Mol. Reprod. and Development 29, 22-28
1990	Case Report Rare ectopic pregnancies after in-vitro fertilization: one unilateral twin and four bilateral tubal pregnancies	Rizk B, Morcos S, Avery S, Elder K, Brinsden P, Mason B, Edwards RG	Hum Reprod. 5 (8) 1025-1028
1990	Seminal plasma anti-sperm antibodies and IVF: the effect of semen sample collection into 50% serum	Elder, KT, Wick, KL & Edwards, RG	Hum. Reprod.. 5, 179-84
1990	Effect of cell number at freezing upon survival and viability of cleaving embryos generated from stimulated IVF cycles.	Hartshorne, GM, Wick, K, Elder, K, Dyson, H	Human Reprod. 5, 857-61
1990	Predictive Value of LH Concentration for Obtaining a Pregnancy	Macnamee, M	Extrait des Actualities Gynecologiques Vingtieme Serie

	going to Term		
1990	In vitro fertilization and development of one of two human oocytes with fused zonae pellucidae: case report.	Hartshorne, GM, Blayney, ML, Dyson, H, Elder, K	Fertility and sterility 54 (5):947-9.
1989	The role of IVF in Polycystic ovarian disease	Macnamee, M	Research and clinical forums, 11, 89-95
1989	The use of Albuminar 5™ as a medium supplement in clinical IVF	Ashwood-Smith MJ, Hollands P, Edwards RG	Human Reprod 4(6) 702-705
1989	Short term luteinising hormone agonist treatment, prospective trial of a novel ovarian stimulation regimen for in vitro fertilization	Macnamee MC, Howles CM, Edwards RG et al	Fertil. Steril. 52 264-269
1988	The Influence of stimulation regimes and luteal phase support on the outcome of IVF	Macnamee MC, Edwards RG, Howles CM	Hum Reprod 3 Suppl 2, 43 – 52 1988
1987	Pregnancies after IVF when high tonic LH is reduced by long-term treatment with GnRH agonists	Macnamee MC, Howles CM, Edwards RG	Hum Reprod. 2:569
1987	Follicular development and early luteal function of conception and non-concepted cycles after human in vitro fertilization	Howles, CM, Macnamee, MC, Edwards, RG	Hum Reprod. 2, 17-21
1986	Observations on 767 clinical pregnancies and 500 births after human in-vitro fertilization	Stephoe et al	Download PDF
1986	Factors Affecting Survival and Implantation of	Cohen, J, Simons, RS, Fehilly C B, Edwards RG	J IVF & ET 3 (1)

	Cryopreserved Human Embryos		
1986	Effect of high tonic levels of luteinizing hormone on outcome of in vitro fertilization	Howles, CM, Macnamee, MC, Edwards, RG, Goswamy, R, Steptoe, PC	Lancet, 2, 521-522
1986	Observations on 767 clinical pregnancies and 500 live births after human in vitro fertilisation	Steptoe, PC, Edwards, RG, Walters, DE	Human Reproduction, 1, 89-94
1985	Treatment of idiopathic infertility, cervical mucus hostility, and male infertility: artificial insemination with husband's semen or in vitro fertilization?	Hewitt, J, Cohen, J, Krishnaswamy, V, Fehilly, CB, Steptoe, PC, Walter, DE	Fertility and Sterility 44 (3), 350-5
1985	Seminal Bacterial pathogens and in Vitro Fertilization – Short Communications	Hewitt, J, Cohen, J, Fehilly, CB, et al	J IVF ET 2 (2), 105-107
1985	Pregnancies following the frozen storage of expanding human blastocysts	Cohen, J, Simons, RF, Edwards R G, Fehilly CB, Fishel SB	J IVF ET 2, 59-64
1985	In vitro fertilisation: a treatment for male infertility	Cohen, J, Edwards, RG, Fehilly, C, Fishel, S, Hewitt, J, Purdy, J, Rowland, G, Steptoe, PC, Webster, J	Lancet 1 1239
1984	Human Chorionic Gonadotropin Secreted by Preimplantation Embryos Cultured in vitro	Fishel SB, Edwards RG, Evans CJ	Science 223, 816-818
1984	Factors influencing the success of in vitro fertilisation for alleviating human infertility	Edwards, RG, Fishel, SG, Cohen, J, Fehilly, CB, Purdy, JM, Steptoe, PC, Webster, JM	J IVF & ET, 1, 3-23
1983	Current Status of In-Vitro Fertilisation and Implantation of Human	Edwards, RG, Steptoe, PC	The Lancet – Saturday 3 December 1983

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1978	Birth after the reimplantation of a human embryo (letter)	Step toe, PC, Edwards, RG	Lancet, 2, 366
1976	Reimplantation of a human embryo with subsequent tubal pregnancy	Step toe, PC, Edwards, RG	Lancet, 1. 880-882
1969	Laparoscopy: Diagnostic and Therapeutic Uses	Step toe, PC	Proceedings of the Royal Society of Medicine May 1969 vol 62 No 5 pp 439-441