

**CLINICAL LASER PUBLICATIONS** (LYKOS or ZILOS-tk)

Date	Citation
2021	Awadalla MS, Park KE, Latack KR, McGinnis LK, Ahmady A, Paulson RJ. Influence of Trophectoderm Biopsy Prior to Frozen Blastocyst Transfer on Obstetrical Outcomes. <i>Reproductive Sciences</i> . 2021 March 25: [1p.]. doi: https://doi.org/10.1007/s43032-021-00552-z .
2021	Badeghiesh A, Konci R, Aldhaheri S, Son WY, Dahan MH. Effect of Double Embryo Transfer Derived from Autologous Frozen Oocytes on Multiple Pregnancy Rates and Presentation of Success Rates Stratified for Age at Retrieval Badeghiesh et al. Single vs. double ET with frozen oocytes. <i>J Turk Ger Gynecol Assoc</i> . 2021 June 10: 1-7. doi: 10.4274/jtgga.galenos.2021.2020.0207 . Open Access Article
2021	Chang D, Hu L, Gong F, Yuan S, Luo K, Wu X, Xie P, Lu C, Lu G, Tan YQ, Lin G. Clinical Outcomes Following Preimplantation Genetic Testing and Microdissecting Junction Region in Couples with Balanced Chromosome Rearrangement. <i>J Assist Reprod Genet</i> . 2021 Jan. 11: 1-8. doi: https://doi.org/10.1007/s10815-020-02052-6 .
2021	Fang S, McLean J, Shi L, Vink JSY, Hendon CP, Myers KM. Anisotropic Mechanical Properties of the Human Uterus Measured by Spherical Indentation. <i>Annals of Biomedical Engineering</i> . 2021 April 20: [1p.]. doi: https://doi.org/10.1007/s10439-021-02769-0 .
2021	Hanigan MD, Souza VC, Martineau R, Daley VL, Kononoff P. Predicting Ruminally Undegraded and Microbial Protein Flows from the Rumen. <i>Journal of Dairy Science</i> . 2021 May 10: [1p.]. doi: https://doi.org/10.3168/jds.2020-19672 .
2021	Hao Y, Long X, Kong F, Chen L, Chi H, Zhu X, Kuo Y, Zhu Y, Lin J, Yan L, Li R, Liu P, Wang Y, Qiao J. Maternal and Neonatal Outcomes Following Blastocyst Biopsy for Preimplantation Genetic Testing in Single Frozen-Thawed Embryo Transfer Cycles. <i>Reproductive BioMedicine Online</i> . 2021 July 29: [1p.]. doi: https://doi.org/10.1016/j.rbmo.2021.07.016 .
2021	Hu J, Molinari E, Darmon S, Zhang L, Patrizio P, Barad DH, Gleicher N. Predictive Value of Cytoplasmic Granulation Patterns During In Vitro Fertilization in Metaphase II Oocytes: Part I, Poor-Prognosis Patients. <i>Fertility and Sterility</i> . 2021 April 15: 1-10. doi: https://doi.org/10.1016/j.fertnstert.2021.02.022 . Open Access Article

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2021	Jaswa EG, McCulloch CE, Simbulan R, Cedars MI, Rosen MP. Diminished Ovarian Reserve is Associated with Reduced Euploid Rates via Preimplantation Genetic Testing for Aneuploidy Independently from Age: Evidence for Concomitant Reduction in Oocyte Quality with Quantity. <i>Fertility and Sterility</i> . 2021 Feb. 12: [1p.]. doi: https://doi.org/10.1016/j.fertnstert.2020.10.051 .
2021	Kaskar K. Optimizing Embryo Culture Conditions and Spent Culture Media Analysis as Predictors of Embryo Quality and Pregnancy [dissertation]. [Cape Town]: University of West Cape; 2021, 211p. Open Access Article
2021	Li X, Hao Y, Chen D, Ji D, Zhu W, Zhu X, Wei Z, Cao Y, Zhang Z, Zhou P. Non-invasive preimplantation genetic testing for putative mosaic blastocysts: a pilot study. <i>Human Reproduction</i> . 2021 July; 36(7): 2020-2034. doi: https://doi.org/10.1093/humrep/deab080 .
2021	Oliva M, Briton-Jones C, Gounko D, Lee JA, Copperman AB, Sekhon L. Factors Associated with Vitrification-Warming Survival in 6167 Euploid Blastocysts. <i>J Assist Reprod Genet</i> . 2021 July 26: [1p.]. doi: https://doi.org/10.1007/s10815-021-02284-0 .
2021	Putnam JM, Zhang L, Gregg AR, Testa G, Johannesson L. Clinical Pregnancy Rates and Experience with In Vitro Fertilization After Uterus Transplantation: Dallas Uterus Transplant Study. <i>American Journal of Obstetrics and Gynecology</i> . 2021 March 12: [1p.]. doi: https://doi.org/10.1016/j.ajog.2021.02.037 .
2021	Qu FSY, Weng SP, Shen MS, Ma PC, Wu PK, Lee NC. Suboptimal Trophectoderm Mitochondrial DNA Level is Associated with Delayed Blastocyst Development. <i>J Assist Reprod and Genet</i> . 2021 Jan. 20: [1p.]. doi: https://doi.org/10.1007/s10815-020-02045-5 .
2021	Stovezky YR, Romanski PA, Bortoletto P, Spandorfer SD. Body Mass Index is Not Associated with Embryo Ploidy in Patients Undergoing In Vitro Fertilization with Preimplantation Genetic Testing. <i>Fertility and Sterility</i> . 2021 April 4: [1p.]. doi: https://doi.org/10.1016/j.fertnstert.2021.02.029 .
2021	Wang Y, Chen C, Liang J, Fan L, Liu D, Zhang X, Liu F. A Comparison of the Clinical Effects of Thinning and Drilling on Laser-assisted Hatching. <i>Lasers in Medical Science</i> . 2021 Jan. 13: 1-9. doi: https://doi.org/10.1007/s10103-020-03230-9 . Open Access Article
2021	Xiong S, Liu JX, Liu DY, Zhu JH, Hao XW, Wu LH, Gao Y, Li JY, Huang GN. Prolonged Interval Time Between Blastocyst Biopsy and Vitrification Compromised the Outcomes in Preimplantation Genetic Testing. <i>Zygote</i> . 2021 Feb. 18: 1-6. doi:10.1017/S0967199420000866.

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2021	Xiong S, Liu W, Wang J, Liu J, Gao Y, Wu L, Zhu J, Hao X, Li J, Liu D, Han W, Huang G. Trophectoderm Biopsy Protocols May Impact the Rate of Mosaic Blastocysts in Cycles with Pre-implantation Genetic Testing for Aneuploidy. <i>Journal of Assisted Reproduction and Genetics</i> . 2021 March 4: [1p.]. doi: https://doi.org/10.1007/s10815-021-02137-w . Open Access Article
2021	Xu S, Zheng Q, Mo M, Xiong F, Hu X, Zeng Y. High Grade Trophectoderm is Associated with Monozygotic Twinning in Frozen-thawed Single Blastocyst Transfer. <i>Arch Gynecol and Obstet</i> . 2021 Feb. 03: [1p.]. doi: https://doi.org/10.1007/s00404-020-05928-1 .
2021	Yuan S, Cheng D, Luo K, Li X, Hu L, Hu H, Wu X, Xie P, Lu C, Lu G, Lin G, Gong F, Tan YQ. Reproductive Risks and Preimplantation Genetic Testing Intervention for X-autosome Translocation Carriers. <i>Reproductive BioMedicine</i> . 2021 March 17: [1p.]. doi: https://doi.org/10.1016/j.rbmo.2021.03.010 .
2021	Zhao M, Li H, Li R, Li Y, Luo X, Li TC, Lee TL, Wang WJ, Chan DYL. Automated and Precise Recognition of Human Zygote Cytoplasm: A Robust Image-segmentation System Based on a Convolutional Neural Network. <i>Biomedical Signal Processing and Control</i> . 2021 May; 67: 1-9. doi: https://doi.org/10.1016/j.bspc.2021.102551 . Open Access Article
2020	Bartolucci AF, Uliasz T, Peluso JJ. MicroRNA-21 as a Regulator of Human Cumulus Cell Viability and its Potential Influence on the Developmental Potential of the Oocyte. <i>Biology Reproduction</i> . 2020 Apr 25: [1p.]. doi: https://doi.org/10.1093/biolre/ioaa058 .
2020	Deng J, Zhao Q, Cinnioglu C, Kayali R, Lathi RB, Behr B. The Impact of Culture Conditions on Blastocyst Formation and Aneuploidy Rates: a Comparison Between Single-Step and Sequential Media in a Large Academic Practice. <i>J Assist Reprod and Genet</i> . 2020 January; 37(1): 161-169. doi: https://doi.org/10.1007/s10815-019-01621-8 .
2020	Du S, Lin YH, Sun Y, Chen QF, Huang ZQ, Su JQ, Zheng BH. Validation of Next-Generation Sequencing and Array Comparative Genomic Hybridization for Diagnosis and Screening of Reciprocal and Robertsonian Translocations in Human Blastocysts. <i>Molecular Genetics</i> . 2020 June 25: 1-17. doi:10.21203/rs.3.rs-37764/v1. Open Access Article
2020	Ebrahimian N, Montazeri F, Sadeghi MR, Kalantar SM, Gilany K, Ali Khalili M. Reanalysis of Discarded Blastocysts for Autosomal Aneuploidy After Sex Selection in Cleavage-stage Embryos. <i>Clin Exp Reprod Med</i> . 2020 June 11; 47(4): 293-299. doi: https://doi.org/10.5653/cerm.2019.03426 . Open Access Article

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2020	Guo N, Deng T, Jiang H, Gong Y, Yin L, Ren X, Jin L, Li Y. Association Between Blastocyst Morphology and Live Birth Rate Following Frozen–thawed Single Blastocyst Transfer: Results From a 5-year Retrospective Analysis of 2593 Cryopreserved Blastocysts. <i>Obstetrics and Gynaecology Research</i> . 2020 Sept. 13: [1p.]. doi: https://doi.org/10.1111/jog.14423 .
2020	Harun MD. Medical Image Segmentation for Embryo Image Analysis [master's thesis]. [Manoa, HI]:University of Hawaii; 2020. 56p. Open Access Article
2020	Hirata K, Goto S, Izumi Y, Taguchi M, Hayashi A, Fujioka M, Ishiko A, Nakanishi K, Kimura F, Murakami T. Chromosome Analysis of Blastocysts Derived from Single Pronuclear Zygotes by Array CGH and Clinical Outcomes by the Transfer of Single Pronuclear Zygotes. <i>Assisted Reproduction Technologies</i> . 2020 May 15: [1p.]. doi: https://doi.org/10.1007/s10815-020-01800-y .
2020	Hoyos LR, Cheng CY, Brennan K, Hubert G, Wang B, Buyalos RP, Quinn M, Shamonki M. Euploid Rates Among Oocyte Donors: Is There an Optimal Age for Donation? <i>Jrnl of Assist Reprod and Genet</i> . 2020 Jan 18: 1-6. doi: https://doi.org/10.1007/s10815-020-01694-w .
2020	Irani M, Canon C, Robles A, Maddy B, Gunnala V, Qin X, Zhang C, Xu K, Rosenwaks Z. No Effect of Ovarian Stimulation and Oocyte Yield on Euploidy and Live Birth Rates: an Analysis of 12,298 Trophoctoderm Biopsies. <i>Human Reproduction</i> . 2020 April 29: [1p.]. doi: https://doi.org/10.1093/humrep/deaa028 .
2020	Jalalie L, Rezaee MA, Rezaie MJ, Jalili A, Raoofi A, Rustamzade A. Human Umbilical Cord Mesenchymal Stem Cells Improve Morphometric and Histopathologic Changes of Cyclophosphamide-injured Ovarian Follicles in Mouse Model of Premature Ovarian Failure. <i>Acta Histochemica</i> . 2021 Jan; 123(1): [1p.]. doi: https://doi.org/10.1016/j.acthis.2020.151658
2020	Jiang S, Peng X, Gong F, Huang C, Peng Y, Long X, Lin G, Zhu W. The Role of Total Chromosomal Disomy in Human Spermatozoa as a Predictor of the Outcome of Pre-Implantation Genetic Screening. <i>Fertility and Sterility</i> . 2020 June; 113 (6): 1196-1204. doi: https://doi.org/10.1016/j.fertnstert.2020.02.004 .
2020	Kim HJ, Park JK, Eum JH, Song H, Lee WS, Lyu SW. Embryo Selection Based on Morphological Parameters in a Single Vitrified-Warmed Blastocyst Transfer Cycle. <i>Reprod. Sci</i> . 2020 Oct. 13: [1p.]. doi: https://doi.org/10.1007/s43032-020-00349-6 .
2020	Kuliev A, Rechitsky S, Simpson JL. Major Components of Preimplantation Genetic Testing. <i>Practice Preimplantation Genetic Testing</i> . 2020 May 30: 13-30. doi: https://doi.org/10.1007/978-3-030-43157-0_2 .

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2020	Kuznyetsov V, Madjunkova S, Abramov R, Antes R, Ibarrientos Z, Motamedi G, Zaman A, Kuznyetsova I, Librach CL. Minimally Invasive Cell-Free Human Embryo Aneuploidy Testing (miPGT-A) Utilizing Combined Spent Embryo Culture Medium and Blastocoel Fluid –Towards Development of a Clinical Assay. <i>Scientific Reports</i> . 2020 April 29; 10 (1): 1-9. doi: https://doi.org/10.1038/s41598-020-64335-3 . Open Access Article
2020	Liu C, Su K, Shang W, Ji H, Yuan C, Cao M, Li C, Zhou X. Higher Implantation and Live Birth Rates with Laser Zona Pellucida Breaching Than Thinning in Single Frozen-thawed Blastocyst Transfer. 2020 Jan. 03: [1p.]. doi: https://doi.org/10.1007/s10103-019-02946-7 .
2020	Makhijani R, Bartels CB, Godiwala P, Bartolucci A, DiLuigi A, Nulsen J, Grow D, Benadiva C, Engmann L. Impact of Trophoctoderm Biopsy on Obstetric and Perinatal Outcomes Following Frozen–thawed Embryo Transfer Cycles. <i>Human Reproduction</i> . 2020 Dec. 12; deaa316 : [1p.]. doi: https://doi.org/10.1093/humrep/deaa316 .
2020	McDaniel KE, Awadalla MS, McGinnis LK, Ahmady A. Transfer the Best and Biopsy the Rest? Blastocyst Euploidy Rates Differ by Morphology and Day of Biopsy. <i>Archives of Gynecology and Obstetrics</i> . 2020 Aug. 17: [1p.]. doi: https://doi.org/10.1007/s00404-020-05746-5 .
2020	Niu X, Lao Y, Sun Y, Wang W. Next-Generation Sequencing Revealed that High Proportion of Human Embryos Resulted from Donor Eggs Are Segmental Chromosome Abnormal [Online First]. <i>IntechOpen</i> . 2020 Dec. 30: 1-13. doi:10.5772/intechopen.95457.
2020	Niu X, Long J, Gong F, Wang W. Does ICSI for in vitro fertilization cause more aneuploid embryos? <i>Molecular Cytogenetics</i> . 2020 July 01; 13(27): 1-7. doi: https://doi.org/10.1016/j.rbmo.2013.11.018 . Open Access Article
2020	Niu X, Ruan Q, Witz CA, Wang W. Comparison of Human Oocyte Activation Between Round-Headed Sperm Injection Followed by Calcium Ionophore Treatment and Normal Sperm Injection in a Patient With Globozoospermia. <i>Front. Endocrinol</i> . 2020 April 07; 11 (183): [1p.]. doi: https://doi.org/10.3389/fendo.2020.00183 . Open Access Article
2020	Ramos N, Aycock H, Johnson D, Haimowitz Z, Akopians A, Barritt J. Laser Assisted Hatching of Human Embryos at Fertilization Check, on Day 1 of Culture, Allows for Continuous Uninterrupted Time-Lapse Incubation of 5+ Days, While Producing Hatching Blastocysts as Expected. <i>Reproductive BioMedicine</i> . 2020 Oct; 41(1): e4-e5. doi: https://doi.org/10.1016/j.rbmo.2020.08.025 .

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2020	Sachdev NM, McCulloh DH, Kramer Y, Keefe D, Grifo JA. The Reproducibility of Trophectoderm Biopsies in Euploid, Aneuploid, and Mosaic Embryos Using Independently Verified Next-Generation Sequencing (NGS): a pilot study. <i>Jrnl of Assist Reprod Genet</i> (2020). 2020 Feb. 13: [1p.]. doi: https://doi.org/10.1007/s10815-020-01720-x . Open Access Article
2020	Schaeffer E, Porchia LM, Neumann A, Luna A, Rojas T, López-Bayghen E. Embryos Derived from Donor or Patient Oocytes are Not Different for In Vitro Fertilization Outcomes When PGT Allows Euploid Embryo Selection: a Retrospective Study. <i>Clinical and Translational Medicine</i> . 2020 Feb. 07; 9(14): 1-10. doi: https://doi.org/10.1186/s40169-020-0266-1 . Open Access Article
2020	Takeuchi K. Pre-implantation Genetic Testing: Past, Present, Future. <i>Reproductive Medicine and Biology</i> . 2020 Oct. 13; 00: 1-14. doi: https://doi.org/10.1002/rmb2.12352 . Open Access Article
2020	Tan J, Jing C, Zhang L, Lo J, Kan A, Nakhuda G. GnRH Triggering May Improve Euploidy and Live Birth Rate in Hyper-Responders: a Retrospective Cohort Study. <i>Journal of Assisted Reproduction and Genetic</i> . 2020 June 13: [1p.]. doi: https://doi.org/10.1007/s10815-020-01842-2
2020	Tang M, Popovic M, Stamatiadis P, Van der Jeught M, Coster RV, Deforce D, De Sutter P, Coucke P, Menten B, Stoop D, Boel A, Heindryckx B. Germline Nuclear Transfer in Mice May Rescue Poor Embryo Development Associated with Advanced Maternal Age and Early Embryo Arrest. <i>Hum Reprod</i> . 2020 July 2: [1p.]. doi: 10.1093/humrep/deaa112.
2020	Tiewsiri K, Manipalviratn S, Sutheesophon W, Vanichsetakul P, Thajjaroen P, Ketcharoon P, Bradley CK, McArthur SJ, Krutsawad W, Marshall JTA, Papadopoulos KI. The First Asian, Single-Center Experience of Blastocyst Preimplantation Genetic Diagnosis with HLA Matching in Thailand for the Prevention of Thalassemia and Subsequent Curative Hematopoietic Stem Cell Transplantation of Twelve Affected Siblings. <i>Clinical Study</i> . 2020 June 26: 1-10. doi: https://doi.org/10.1155/2020/5292090 . Open Access Article
2020	Yadav G, Yang L, Kaskar K, Cochran R, Selvanesan B, Gibbons W. Poor Blastocyst Formation from Good Quality Day Three Embryos is Associated with Asthenospermia. <i>Reproductive BioMedicine Online</i> . 2020 Oct; 41(1): e5-e6. doi: https://doi.org/10.1016/j.rbmo.2020.08.026 .
2020	Zhan Q, Sierra ET, Malmsten J, Ye Z, Rosenwalks Z, Zaninovic N. Blastocyst Score, a Blastocyst Quality Ranking Tool, is a Predictor of Blastocyst Ploidy and Implantation Potential. <i>F & S Reports</i> . 2020 Sept; 1(2): 133-141. doi: https://doi.org/10.1016/j.xfre.2020.05.004 .

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2019	Anderson RE, Whitney JB, Schiewe MC. Clinical Benefits of Preimplantation Genetic Testing for Aneuploidy (PGT-A) for all In Vitro Fertilization Treatment Cycles. <i>European Journal of Medical Genetics</i> . 2019 July 27: [1p.]. doi: https://doi.org/10.1016/j.ejmg.2019.103731 .
2019	He H, Jing S, Lu CF, Tan YQ, Luo KL, Zhang SP, Gong F, Lu GX, Lin G. Neonatal Outcomes of Live Births After Blastocyst Biopsy in Preimplantation Genetic Testing Cycles: A Follow-Up Of 1,721 Children. <i>Fert and Steril</i> . 2019 May 2: 1-6. doi: https://doi.org/10.1016/j.fertnstert.2019.03.006 .
2019	Hernandez-Nieto C, Lee JA, Slifkin R, Sandler B, Copperman AB, Flisser E. What is the Reproductive Potential of Day 7 Euploid Embryos? <i>Human Reproduction</i> . 2019 Sept; 34(9): 1697–1706. doi: https://doi.org/10.1093/humrep/dez129 .
2019	Huang L, Bogale B, Tang Y, Lu S, Xie XS, Racowsky C. Noninvasive Preimplantation Genetic Testing for Aneuploidy in Spent Medium May Be More Reliable than Trophectoderm Biopsy. <i>PNAS</i> . 2019 June 24: [1p.]. doi: https://doi.org/10.1073/pnas.1907472116 .
2019	Johnson D, Haimowitz Z, Arifova M, Akopians A, Welch C, Barritt J. Repeated High Intensity Laser Biopsy Pulses Do Not Alter Genetic Testing Results Nor Increases Mosaicism Following Human Embryo Blastocyst Biopsy of Trophectoderm Cells. <i>Reprod Biomed Online</i> . 2019 Sept; 39(2): e4-e5. doi: https://doi.org/10.1016/j.rbmo.2019.07.013 .
2019	Kim MK, Park JK, Jeon Y, Choe SA, Lee HJ, Kim J, Chang EM, Kim JW, Lyu SW, Kim JY, Kwak IP, Lee WS, Yoon TK. Correlation between Morphologic Grading and Euploidy Rates of Blastocysts, and Clinical Outcomes in In Vitro Fertilization Preimplantation Genetic Screening. <i>J Korean Med Sci</i> . 2019 Jan 28; 34(4): 1-11. Open Access Article doi: https://doi.org/10.3346/jkms.2019.34.e27 .
2019	Kim MK, Park JK, Jeon Y, Seok SH, Chang EM, Lee WS. Effects of Paternal Age on Human Embryo Development in In Vitro Fertilization with Preimplantation Genetic Screening. <i>Clin Exp Reprod Med</i> . 2019 Jan 31; 46(1):22-29. doi: https://doi.org/10.5653/cerm.2019.46.1.22 . Open Access Article
2019	Lu X, Liu Y, Cao X, Liu SY, Dong X. Laser-Assisted Hatching And Clinical Outcomes In Frozen-Thawed Cleavage-Embryo Transfers Of Patients With Previous Repeated Failure. <i>Lasers in Medical Science</i> . 2019 Jan 09: [1p.]. doi: https://doi.org/10.1007/s10103-018-02702-3 .

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2019	Luo K, Lan Y, Xie P, Gong F, Xiong B, Tan Y, Zhou S, Yang Z, Lin G, Hu L. Next-Generation Sequencing Analysis of Embryos from Mosaic Patients Undergoing In Vitro Fertilization and Preimplantation Genetic Testing. <i>Fertility and Sterility</i> . 2019 May 24: 1-6. doi: https://doi.org/10.1016/j.fertnstert.2019.03.035 .
2019	Otsuki J, Iwasaki T, Enatsu N, Katada Y, Furuhashi K, Shiotani M. Noninvasive Embryo Selection: Kinetic Analysis of Female and Male Pronuclear Development to Predict Embryo Quality and Potential to Produce Live Birth. <i>Fertility and Sterility</i> . 2019 Nov; 112(5): 874-881. doi: https://doi.org/10.1016/j.fertnstert.2019.07.015 .
2019	Ozgun K, Berkkanoglu M, Bulut H, Yoruk GDA, Candurmaz NN, Coetzee K. Single Best Euploid Versus Single Best Unknown-Ploidy Blastocyst Frozen Embryo Transfers: A Randomized Controlled Trial. <i>J Assist Reprod and Genet</i> . 2019 Jan 07: [1p.]. doi: https://doi.org/10.1007/s10815-018-01399-1 .
2019	Ozgun K, Bulut H, Berkkanoglu M, Donmez L, Coetzee K. Prediction of Live Birth and Cumulative Live Birth Rates In Freeze-All-IVF Treatment Of A General Population. <i>J Assist Reprod Genet</i> (2019). 2019 Feb 21: 1-12. doi: https://doi.org/10.1007/s10815-019-01422-z .
2019	Ozgun K, Bulut H, Berkkanoglu M, Humaidan P, Coetzee K. Large for Gestational Age is Male Gender Dependent in Artificial Frozen Embryo Transfers Cycles – a Cohort Study of 1295 Singleton Live Births. <i>Reprod BioMed</i> . 2019 Oct 24: [1p.]. doi: https://doi.org/10.1016/j.rbmo.2019.10.010 .
2019	Popovic M, Dhaenens L, Taelman J, Dheedene A, Bialecka M, De Sutter P, Chuva de Sousa Lopes SM, Menten B, Heindryckx B. Extended In Vitro Culture of Human Embryos Demonstrates the Complex Nature of Diagnosing Chromosomal Mosaicism from a Single Trophectoderm Biopsy. <i>Human Reproduction</i> . 2019 March 6: [1p.]. doi: https://doi.org/10.1093/humrep/dez012 .
2019	Ramos N, Johnson D, Eisman L, Haimowitz Z, Surrey M, Danzer H, Barritt J. The Survival, Biopsy, Ploidy and Pregnancy Rates of Previously Vitrified Blastocysts Subjected to Warming/Biopsy/Revitrification for PGT-A Analysis. <i>Fertil Steril</i> . 2019 April; 111(4):36-37. Open Access Article
2019	Sagi I, De Pinho JC, Zuccaro MV, Atzmon C, Golan-Lev T, Yanuka O, Prosser R, Sadowy A, Perez G, Cabral T, Glaser B, Tsang SH, Golan R, Sauer MV, Lobo R, Benvenisty N, Egli D. Distinct Imprinting Signatures and Biased Differentiation of Human Androgenetic and Parthenogenetic Embryonic Stem Cells. <i>CellPress</i> . 2019 Sept 5; 25(3): 419-432. doi: https://doi.org/10.1016/j.stem.2019.06.013 .

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2019	Singh S, Hobeika E, Knochenhauer ES, Traub ML. Pregnancy Rates After Pre-Implantation Genetic Screening For Aneuploidy Are Only Superior When Trophectoderm Biopsy Is Performed On Hatching Embryos. <i>Jrnl Assist Reprod Genet</i> . 2019 Jan 15: 1-8. doi: https://doi.org/10.1007/s10815-019-01400-5 .
2019	Stein D, Ukogu C, Ganza A, Gounko D, Lee J, Bar-Chama N, Copperman AB. Paternal Contribution to Embryonic Competence. <i>Cent European J Urol</i> . 2019 Sept 2; 72(3): 296-301. doi: 10.5173/ceju.2019.1900.
2019	Taylor TH, Stankewicz T, Katz SL, Patrick JL, Johnson L, Griffin DK. Preliminary Assessment of Aneuploidy Rates Between the Polar, Mid and Mural Trophectoderm. Cambridge University Press. 2019 Dec. 18: [1p.]. doi: https://doi.org/10.1017/S0967199419000637 .
2019	Tšuiiko O, Zhigalina DI, Jatsenko T, Skryabin NA, Kanbekova OR, Artyukhova VG, Svetlakov AV, Teearu K, Trošin A, Salumets A, Kurg A, Lebedev IN. The Karyotype of the Blastocoel Fluid Demonstrates Low Concordance with Both Trophectoderm and Inner Cell Mass [Epub ahead of print]. University of Tartu Estonia. 2019 Nov: 1-20. Open Access Article
2019	Tsuiko O. Unravelling Chromosomal Instability in Mammalian Preimplantation Embryos Using Single-cell Genomics [dissertation].[Estonia]: Universitatis Tartuensis; 2018 Aug 22. 168p. Open Access Article
2019	Wilkinson S, Cunningham A, Murray R, Scotchie J, Jones A. Thrice Vitriified and Warmed, Twice Biopsied Embryo Originating from a Cohort of unfertilized eggs resulted in live birth: A case report. <i>RBMO</i> . 2019 Sept 25; 39 (2): e5-e6. doi: https://doi.org/10.1016/j.rbmo.2019.07.014 .
2019	Xie PY, Hu L, Tan Y, Gong F, Zhang SP, Xiong B, Peng Y, Lu GX, Lin G. Retrospective Analysis of Meiotic Segregation Pattern and Interchromosomal Effects in Blastocysts From Inversion Preimplantation Genetic Testing Cycles. <i>Fert and Steril</i> . 2019 May 15: 1-6. doi: https://doi.org/10.1016/j.fertnstert.2019.03.041 .
2019	Xiong F, Li G, Sun Q, Chen P, Wang Z, Wan C, Yao Z, Zhong H, Zeng Y. Obstetric And Perinatal Outcomes Of Pregnancies According To Initial Maternal Serum HCG Concentrations After Vitriified–Warmed Single Blastocyst Transfer. <i>Reproductive BioMedicine Online</i> . 2019 Jan 5: [1p.]. doi: https://doi.org/10.1016/j.rbmo.2018.12.040 .
2019	Xiong F, Li G, Sun Q, Wang S, Wan C, Chen P, Yao Z, Zhong H, Zeng Y. Clinical Outcomes After Transfer of Blastocysts Derived From Frozen–thawed Cleavage Embryos: a Retrospective Propensity-matched Cohort Study. <i>Gynecol and Obstet</i> . 2019 July 4: 1-11. doi: https://doi.org/10.1007/s00404-019-05236-3 .

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