

# CITATION REPORT

List of articles citing

Comprehensive chromosome screening is highly predictive of the reproductive potential of human embryos: a prospective, blinded, nonselection study

DOI: 10.1016/j.fertnstert.2012.01.104  
Fertility and Sterility, 2012, 97, 870-5.

**Source:** <https://exaly.com/paper-pdf/53637502/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
277	Genome-wide analysis of human preimplantation aneuploidy. <b>2012</b> , 30, 283-8		15
276	Comprehensive chromosome screening and embryo selection: moving toward single euploid blastocyst transfer. <b>2012</b> , 30, 236-42		28
275	Array comparative genomic hybridization: its role in preimplantation genetic diagnosis. <b>2012</b> , 24, 203-9		15
274	In vitro fertilization and ovarian malignancies: potential implications for the individual patient and for the community. <i>Human Reproduction</i> , <b>2012</b> , 27, 2877-9; author reply 2879	5.7	
273	Reply: Embryo selection and IVF. <i>Human Reproduction</i> , <b>2012</b> , 27, 2877-2877	5.7	
272	Preimplantation genetic diagnosis for aneuploidy and translocations using array comparative genomic hybridization. <i>Current Genomics</i> , <b>2012</b> , 13, 463-70	2.6	64
271	IVF: Wie aussagekräftig ist das Aneuploidie-Screening per DNA-Chip?. <b>2012</b> , 17, 18-18		
270	A review of, and commentary on, the ongoing second clinical introduction of preimplantation genetic screening (PGS) to routine IVF practice. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2012</b> , 29, 1159-66	3.4	33
269	Long-term duration of function of ovarian tissue transplants: case reports - how many swallows make a summer?. <i>Reproductive BioMedicine Online</i> , <b>2012</b> , 25, 91-2	4	1
268	Comprehensive pre-implantation genetic screening: ethical reflection urgently needed. <b>2012</b> , 13, 676-7		9
267	Development and validation of an accurate quantitative real-time polymerase chain reaction-based assay for human blastocyst comprehensive chromosomal aneuploidy screening. <i>Fertility and Sterility</i> , <b>2012</b> , 97, 819-24	4.8	185
266	Clinical Outcome of Preimplantation Genetic Diagnosis. <b>2012</b> , 259-269		
265	Could time-lapse embryo imaging reduce the need for biopsy and PGS?. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2013</b> , 30, 1081-90	3.4	35
264	Evidence-based medicine and its application in clinical preimplantation embryology. <i>Reproductive BioMedicine Online</i> , <b>2013</b> , 27, 547-61	4	20
263	Dynamics and ethics of comprehensive preimplantation genetic testing: a review of the challenges. <i>Human Reproduction Update</i> , <b>2013</b> , 19, 366-75	15.8	54
262	Blastocyst biopsy with comprehensive chromosome screening and fresh embryo transfer significantly increases in vitro fertilization implantation and delivery rates: a randomized controlled trial. <i>Fertility and Sterility</i> , <b>2013</b> , 100, 697-703	4.8	437
261	Selecting the 'best' embryos: prospects for improvement. <i>Reproductive BioMedicine Online</i> , <b>2013</b> , 27, 644-53	4	20

260	Human Gametes and Preimplantation Embryos. <b>2013</b> ,		5
259	In vitro fertilization with single euploid blastocyst transfer: a randomized controlled trial. <i>Fertility and Sterility</i> , <b>2013</b> , 100, 100-7.e1	4.8	348
258	Diminished effect of maternal age on implantation after preimplantation genetic diagnosis with array comparative genomic hybridization. <i>Fertility and Sterility</i> , <b>2013</b> , 100, 1695-703	4.8	225
257	24-chromosome copy number analysis: a comparison of available technologies. <i>Fertility and Sterility</i> , <b>2013</b> , 100, 595-602	4.8	90
256	Selecting the optimal time to perform biopsy for preimplantation genetic testing. <i>Fertility and Sterility</i> , <b>2013</b> , 100, 608-14	4.8	104
255	Comprehensive embryo testing. Experts' opinions regarding future directions: an expert panel study on comprehensive embryo testing. <i>Human Reproduction</i> , <b>2013</b> , 28, 1418-25	5.7	12
254	Comprehensive chromosome screening of trophectoderm with vitrification facilitates elective single-embryo transfer for infertile women with advanced maternal age. <i>Fertility and Sterility</i> , <b>2013</b> , 100, 615-9	4.8	89
253	Four-hour quantitative real-time polymerase chain reaction-based comprehensive chromosome screening and accumulating evidence of accuracy, safety, predictive value, and clinical efficacy. <i>Fertility and Sterility</i> , <b>2013</b> , 99, 1049-53	4.8	49
252	Comprehensive chromosome screening alters traditional morphology-based embryo selection: a prospective study of 100 consecutive cycles of planned fresh euploid blastocyst transfer. <i>Fertility and Sterility</i> , <b>2013</b> , 100, 718-24	4.8	58
251	Reply of the authors. <i>Fertility and Sterility</i> , <b>2013</b> , 100, e7-8	4.8	1
250	Is universal application of blastocyst biopsy with comprehensive chromosome screening for embryo selection ready for prime time?. <i>Fertility and Sterility</i> , <b>2013</b> , 100, e5-6	4.8	2
249	Use of array comparative genomic hybridization (array-CGH) for embryo assessment: clinical results. <i>Fertility and Sterility</i> , <b>2013</b> , 99, 1044-8	4.8	72
248	Single thawed euploid embryo transfer improves IVF pregnancy, miscarriage, and multiple gestation outcomes and has similar implantation rates as egg donation. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2013</b> , 30, 259-64	3.4	45
247	Quality control of embryo development. <b>2013</b> , 34, 903-18		34
246	FISH reanalysis of inner cell mass and trophectoderm samples of previously array-CGH screened blastocysts shows high accuracy of diagnosis and no major diagnostic impact of mosaicism at the blastocyst stage. <i>Human Reproduction</i> , <b>2013</b> , 28, 2298-307	5.7	134
245	Embryo implantation: biology, evaluation, and enhancement. <b>2013</b> , 25, 274-9		34
244	Current issues in medically assisted reproduction and genetics in Europe: research, clinical practice, ethics, legal issues and policy. European Society of Human Genetics and European Society of Human Reproduction and Embryology. <b>2013</b> , 21 Suppl 2, S1-21		107
243	Live birth from previously vitrified oocytes, after trophectoderm biopsy, revitrification, and transfer of a euploid blastocyst. <b>2013</b> , 7, 79-82		2

242	Alterations in the gene expression of aneuploid oocytes and associated cumulus cells. 346-352		
241	Clinically recognizable error rate after the transfer of comprehensive chromosomal screened euploid embryos is low. <i>Fertility and Sterility</i> , <b>2014</b> , 102, 1613-8	4.8	45
240	Embryo biopsy for aneuploidy detection in the general infertility population. <b>2014</b> , 32, 100-6		4
239	Current issues in medically assisted reproduction and genetics in Europe: research, clinical practice, ethics, legal issues and policy. <i>Human Reproduction</i> , <b>2014</b> , 29, 1603-9	5.7	42
238	Limitations of embryo selection methods. <b>2014</b> , 32, 127-33		16
237	Diagnostic Techniques to Improve the Assessment of Human IVF Embryos: Genomics and Proteomics. <b>2014</b> , 15-27		
236	Current status of comprehensive chromosome screening for elective single-embryo transfer. <b>2014</b> , 2014, 581783		11
235	Development and validation of a next-generation sequencing-based protocol for 24-chromosome aneuploidy screening of embryos. <i>Fertility and Sterility</i> , <b>2014</b> , 101, 1375-82	4.8	173
234	The origin, mechanisms, incidence and clinical consequences of chromosomal mosaicism in humans. <i>Human Reproduction Update</i> , <b>2014</b> , 20, 571-81	15.8	214
233	Obstetrical and neonatal outcomes from the BEST Trial: single embryo transfer with aneuploidy screening improves outcomes after in vitro fertilization without compromising delivery rates. <i>American Journal of Obstetrics and Gynecology</i> , <b>2014</b> , 210, 157.e1-6	6.4	112
232	Blastocyst culture selects for euploid embryos: comparison of blastomere and trophoctoderm biopsies. <i>Reproductive BioMedicine Online</i> , <b>2014</b> , 28, 485-91	4	60
231	Correlation between standard blastocyst morphology, euploidy and implantation: an observational study in two centers involving 956 screened blastocysts. <i>Human Reproduction</i> , <b>2014</b> , 29, 1173-81	5.7	271
230	A greater number of euploid blastocysts in a given cohort predicts excellent outcomes in single embryo transfer cycles. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2014</b> , 31, 667-73	3.4	9
229	The study of mammalian oocyte competence by transcriptome analysis: progress and challenges. <b>2014</b> , 20, 103-16		58
228	A cautionary note against embryo aneuploidy risk assessment using time-lapse imaging. <i>Reproductive BioMedicine Online</i> , <b>2014</b> , 28, 273-5	4	22
227	Morphological and cytogenetic assessment of cleavage and blastocyst stage embryos. <b>2014</b> , 20, 117-26		102
226	Validation of multiple annealing and looping-based amplification cycle sequencing for 24-chromosome aneuploidy screening of cleavage-stage embryos. <i>Fertility and Sterility</i> , <b>2014</b> , 102, 1685-91	4.8	28
225	Embryonic aneuploidy: overcoming molecular genetics challenges improves outcomes and changes practice patterns. <b>2014</b> , 20, 499-508		8

224	Clinical utilisation of a rapid low-pass whole genome sequencing technique for the diagnosis of aneuploidy in human embryos prior to implantation. <b>2014</b> , 51, 553-62		164
223	Selection of competent blastocysts for transfer by combining time-lapse monitoring and array CGH testing for patients undergoing preimplantation genetic screening: a prospective study with sibling oocytes. <b>2014</b> , 7, 38		74
222	Assisted reproduction: Ethical and legal issues. <b>2014</b> , 19, 264-71		13
221	Polar body based aneuploidy screening is poorly predictive of embryo ploidy and reproductive potential. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2014</b> , 31, 1221-6	3-4	30
220	Blastulation rates decline in a linear fashion from euploid to aneuploid embryos with single versus multiple chromosomal errors. <i>Fertility and Sterility</i> , <b>2014</b> , 102, 394-8	4.8	26
219	Assisted reproductive technologies and in vitro fertilization. 884-897		
218	La diagnosi genetica pre-impianto: stato dell'arte. <b>2015</b> , 16, 167-172		
217	24-chromosome PCR for aneuploidy screening. <b>2015</b> , 27, 201-5		16
216	Morphological and Kinetic Embryological Criteria and Correlation with Aneuploidy Rates: How Might they Be Used to Choose the Best IVF Embryo for Transfer?. <b>2015</b> , 05,		
215	Recent advances in preimplantation genetic diagnosis. <b>2015</b> , 189		
214	Assessment of aneuploidy formation in human blastocysts resulting from donated eggs and the necessity of the embryos for aneuploidy screening. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2015</b> , 32, 999-1006	3-4	25
213	Noninvasive embryo viability assessment by quantitation of human haptoglobin alpha-1 fragment in the in vitro fertilization culture medium: an additional tool to increase success rate. <i>Fertility and Sterility</i> , <b>2015</b> , 103, 687-93	4.8	16
212	Endometrial disruption does not improve implantation in patients who have failed the transfer of euploid blastocysts. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2015</b> , 32, 557-62	3-4	8
211	Diagnosis of human preimplantation embryo viability. <i>Human Reproduction Update</i> , <b>2015</b> , 21, 727-47	15.8	114
210	First systematic experience of preimplantation genetic diagnosis for single-gene disorders, and/or preimplantation human leukocyte antigen typing, combined with 24-chromosome aneuploidy testing. <i>Fertility and Sterility</i> , <b>2015</b> , 103, 503-12	4.8	59
209	In vitro fertilization with preimplantation genetic screening improves implantation and live birth in women age 40 through 43. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2015</b> , 32, 435-44	3-4	55
208	A 24-chromosome FISH technique in preimplantation genetic diagnosis: validation of the method. <b>2015</b> , 61, 171-7		3
207	Clinical applications of preimplantation genetic testing. <b>2015</b> , 350, g7611		64

206	Assessment of aneuploidy formation in human blastocysts resulting from cryopreserved donor eggs. <i>Molecular Cytogenetics</i> , <b>2015</b> , 8, 12	2	10
205	Changing ovarian stimulation parameters in a subsequent cycle does not increase the number of euploid embryos. <i>Fertility and Sterility</i> , <b>2015</b> , 103, 947-53	4.8	3
204	A comparison of pregnancy outcomes between day 3 and day 5/6 embryo transfers: does day of embryo transfer really make a difference?. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2015</b> , 32, 249-54	24	24
203	SNP Array, qPCR, and Next-Generation Sequencing-Based Comprehensive Chromosome Screening. <b>2015</b> , 193-202		1
202	Should Molecular Cytogenetic Techniques Be Applied to Facilitate Single Embryo Transfer in Egg Donation Cases? Assessment of Frequency and Distribution of Embryo Aneuploidy After Anonymous Donor Oocyte IVF. <b>2015</b> , 217-229		
201	Preimplantation Genetic Screening for the Single Embryo: Aims and Responsibilities. <b>2015</b> , 367-376		
200	Efficiency of Polar Body Biopsy on Aneuploidy Screening by DNA Microarray for Single Euploid Embryo Transfer. <b>2015</b> , 123-131		
199	Randomized comparison of next-generation sequencing and array comparative genomic hybridization for preimplantation genetic screening: a pilot study. <b>2015</b> , 8, 30		48
198	Preimplantation genetic screening of blastocysts by multiplex qPCR followed by fresh embryo transfer: validation and verification. <i>Molecular Cytogenetics</i> , <b>2015</b> , 8, 49	2	7
197	Screening the Single Euploid Embryo. <b>2015</b> ,		
196	Human embryos commonly form abnormal nuclei during development: a mechanism of DNA damage, embryonic aneuploidy, and developmental arrest. <i>Human Reproduction</i> , <b>2016</b> , 31, 312-23	5.7	39
195	Healthy Babies after Intrauterine Transfer of Mosaic Aneuploid Blastocysts. <i>New England Journal of Medicine</i> , <b>2015</b> , 373, 2089-90	59.2	313
194	The clinical effectiveness of preimplantation genetic diagnosis for aneuploidy in all 24 chromosomes (PGD-A): systematic review. <i>Human Reproduction</i> , <b>2015</b> , 30, 473-83	5.7	127
193	Age-related infertility. <b>2015</b> , 42, 15-25		80
192	Comparison of array comparative genomic hybridization and quantitative real-time PCR-based aneuploidy screening of blastocyst biopsies. <b>2015</b> , 23, 901-6		86
191	No evidence of association between blastocyst aneuploidy and morphokinetic assessment in a selected population of poor-prognosis patients: a longitudinal cohort study. <i>Reproductive BioMedicine Online</i> , <b>2015</b> , 30, 57-66	4	84
190	The Impact of Biopsy on Human Embryo Developmental Potential during Preimplantation Genetic Diagnosis. <b>2016</b> , 2016, 7193075		90
189	Challenges facing contemporary preimplantation genetic screening. <b>2016</b> , 28, 151-7		9

188	Mitochondrial DNA as a biomarker for in-vitro fertilization outcome. <b>2016</b> , 28, 158-63		35
187	Clinical Application of Methods to Select In Vitro Fertilized Embryos. <b>2016</b> , 267-312		1
186	A pilot proof-of-principle study to compare fresh and vitrified cycle preimplantation genetic screening by chromosome microarray and next generation sequencing. <i>Molecular Cytogenetics</i> , <b>2016</b> , 9, 25	2	11
185	Segmented ART - The new era in ART?. <b>2016</b> , 16, 91-103		14
184	Correlation between aneuploidy, standard morphology evaluation and morphokinetic development in 1730 biopsied blastocysts: a consecutive case series study. <i>Human Reproduction</i> , <b>2016</b> , 31, 2245-54	5-7	156
183	Pre-Implantation Genetic Screening Techniques: Implications for Clinical Prenatal Diagnosis. <b>2016</b> , 40, 241-254		15
182	Pre-implantation genetic testing in ART: who will benefit and what is the evidence?. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2016</b> , 33, 1273-1278	3-4	28
181	A randomized and blinded comparison of qPCR and NGS-based detection of aneuploidy in a cell line mixture model of blastocyst biopsy mosaicism. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2016</b> , 33, 1473-1480	3-4	56
180	Genetic Analysis of Human Preimplantation Embryos. <b>2016</b> , 120, 421-47		11
179	Successful Implantation from the Embryonic Aspect. <b>2016</b> , 75, 382-7		8
178	Novel embryo selection techniques to increase embryo implantation in IVF attempts. <b>2016</b> , 294, 1117-1124		11
177	How much have we learned from time-lapse in clinical IVF?. <b>2016</b> , 22, 719-727		26
176	Detecting mosaicism in trophectoderm biopsies: current challenges and future possibilities. <i>Human Reproduction</i> , <b>2017</b> , 32, 492-498	5-7	66
175	Promoting the use of elective single embryo transfer in clinical practice. <b>2016</b> , 2, 1		10
174	Assessment of clinical application of preimplantation genetic screening on cryopreserved human blastocysts. <b>2016</b> , 14, 16		5
173	The why, the how and the when of PGS 2.0: current practices and expert opinions of fertility specialists, molecular biologists, and embryologists. <b>2016</b> , 22, 845-57		99
172	Preimplantation genetic testing for aneuploidy: what technology should you use and what are the differences?. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2016</b> , 33, 823-32	3-4	52
171	Current controversies in prenatal diagnosis 4: preimplantation genetic screening should be routinely offered to all preimplantation genetic diagnosis cases. <i>Prenatal Diagnosis</i> , <b>2016</b> , 36, 25-8	3-2	5

170	Effects of maternal age on euploidy rates in a large cohort of embryos analyzed with 24-chromosome single-nucleotide polymorphism-based preimplantation genetic screening. <i>Fertility and Sterility</i> , <b>2016</b> , 105, 1307-1313	4.8	97
169	Validation of a next-generation sequencing-based protocol for 24-chromosome aneuploidy screening of blastocysts. <i>Fertility and Sterility</i> , <b>2016</b> , 105, 1532-6	4.8	28
168	Preimplantation genetic screening (PGS) is an excellent tool, but not perfect: a guide to counseling patients considering PGS. <i>Fertility and Sterility</i> , <b>2016</b> , 105, 49-50	4.8	25
167	Preimplantation diagnosis and other modern methods for prenatal diagnosis. <b>2017</b> , 165, 124-130		12
166	Morphologic grading of euploid blastocysts influences implantation and ongoing pregnancy rates. <i>Fertility and Sterility</i> , <b>2017</b> , 107, 664-670	4.8	70
165	Re-analysis of aneuploidy blastocysts with an inner cell mass and different regional trophoctoderm cells. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2017</b> , 34, 487-493	3.4	32
164	Advances in Preimplantation Genetic Testing for Monogenic Disease and Aneuploidy. <b>2017</b> , 18, 189-200		32
163	Comparative results of preimplantation genetic screening by array comparative genomic hybridization and new-generation sequencing. <b>2017</b> , 51, 269-273		1
162	A universal freeze all strategy: why it is not warranted. <b>2017</b> , 29, 136-145		9
161	Current experience concerning mosaic embryos diagnosed during preimplantation genetic screening. <i>Fertility and Sterility</i> , <b>2017</b> , 107, 1113-1119	4.8	25
160	Early human embryos are naturally aneuploid-can that be corrected?. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2017</b> , 34, 15-21	3.4	18
159	Evaluation of comprehensive chromosome screening platforms for the detection of mosaic segmental aneuploidy. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2017</b> , 34, 975-981	3.4	26
158	Association between growth dynamics, morphological parameters, the chromosomal status of the blastocysts, and clinical outcomes in IVF PGS cycles with single embryo transfer. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2017</b> , 34, 1007-1016	3.4	26
157	Human female meiosis revised: new insights into the mechanisms of chromosome segregation and aneuploidies from advanced genomics and time-lapse imaging. <i>Human Reproduction Update</i> , <b>2017</b> , 23, 706-722	15.8	108
156	Adrenomedullin improves fertility and promotes pinopodes and cell junctions in the peri-implantation endometrium. <b>2017</b> , 97, 466-477		20
155	Embryo aneuploidy is not impacted by selective serotonin reuptake inhibitor exposure. <i>Fertility and Sterility</i> , <b>2017</b> , 108, 973-979	4.8	11
154	Should embryos with autosomal monosomy by preimplantation genetic testing for aneuploidy be transferred?: Implications for embryo selection from a systematic literature review of autosomal monosomy survivors. <i>Prenatal Diagnosis</i> , <b>2017</b> , 37, 1273-1280	3.2	6
153	Mosaic embryo transfer after oocyte in vitro maturation in combination with non-invasive prenatal testing (NIPT)-first report of a euploid live birth. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2017</b> , 34, 1199-1205	3.4	5



152	Preimplantation genetic screening: what is the clinical efficiency?. <i>Fertility and Sterility</i> , <b>2017</b> , 108, 228-230	4.0	42
151	Towards a better understanding of preimplantation genetic screening for aneuploidy: insights from a virtual trial for women under the age of 40 when transferring embryos one at a time. <b>2017</b> , 15, 49		14
150	How do laboratory embryo transfer techniques affect IVF outcomes? A review of current literature. <i>Human Fertility</i> , <b>2017</b> , 20, 3-13	1.9	5
149	Novel technologies emerging for preimplantation genetic diagnosis and preimplantation genetic testing for aneuploidy. <b>2017</b> , 17, 71-82		27
148	Levels of trophoctoderm mitochondrial DNA do not predict the reproductive potential of sibling embryos. <i>Human Reproduction</i> , <b>2017</b> , 32, 954-962	5.7	59
147	The incidence and origin of segmental aneuploidy in human oocytes and preimplantation embryos. <i>Human Reproduction</i> , <b>2017</b> , 32, 2549-2560	5.7	62
146	Automatic Identification of Human Blastocyst Components via Texture. <b>2017</b> , 64, 2968-2978		21
145	Chromosomal Abnormalities in Preimplantation Embryos and Detection Strategies in PGD and PGS. <b>2017</b> ,		
144	Optimal timing of blastocyst vitrification after trophoctoderm biopsy for preimplantation genetic screening. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185747	3.7	14
143	Recurrent Implantation Failure. <b>2018</b> ,		2
142	The Genetics of Pregnancy Failure. <b>2018</b> , 77-91		
141	The dilemma of aneuploidy screening on low responders. <b>2018</b> , 30, 179-184		5
140	Next generation sequencing for preimplantation genetic screening improves pregnancy outcomes compared with array comparative genomic hybridization in single thawed euploid embryo transfer cycles. <i>Fertility and Sterility</i> , <b>2018</b> , 109, 627-632	4.8	65
139	National mosaic embryo transfer practices: a survey. <i>American Journal of Obstetrics and Gynecology</i> , <b>2018</b> , 219, 602.e1-602.e7	6.4	9
138	Preimplantation genetic testing for aneuploidy is cost-effective, shortens treatment time, and reduces the risk of failed embryo transfer and clinical miscarriage. <i>Fertility and Sterility</i> , <b>2018</b> , 110, 896-904	4.8	66
137	Inconclusive chromosomal assessment after blastocyst biopsy: prevalence, causative factors and outcomes after re-biopsy and re-vitrification. A multicenter experience. <i>Human Reproduction</i> , <b>2018</b> , 33, 1839-1846	5.7	26
136	Science of cryopreservation in reproductive medicine - Embryos and oocytes as exemplars. <b>2018</b> , 126, 6-9		15
135	Prevalence of XXY karyotypes in human blastocysts: multicentre data from 7549 trophoctoderm biopsies obtained during preimplantation genetic testing cycles in IVF. <i>Human Reproduction</i> , <b>2018</b> , 33, 1355-1363	5.7	10

134	Chromosomal Abnormalities and Their Reproductive Impact. <b>2018</b> , 21-27		
133	Embryo Biopsy: Polar Body, Cleavage Stage and Trophectoderm. <b>2018</b> , 191-197		
132	Should every embryo undergo preimplantation genetic testing for aneuploidy? A review of the modern approach to in vitro fertilization. <b>2018</b> , 53, 38-47		22
131	Pre-implantation genetic testing: decisional factors to accept or decline among in vitro fertilization patients. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2018</b> , 35, 1605-1612	3.4	9
130	Status of preimplantation genetic testing and embryo selection. <i>Reproductive BioMedicine Online</i> , <b>2018</b> , 37, 393-396	4	33
129	The pros and cons of preimplantation genetic testing for aneuploidy: clinical and laboratory perspectives. <i>Fertility and Sterility</i> , <b>2018</b> , 110, 353-361	4.8	39
128	Gamete and Embryo Manipulation. <b>2019</b> , 823-856.e14		1
127	What is the reproductive potential of day 7 euploid embryos?. <i>Human Reproduction</i> , <b>2019</b> , 34, 1697-1706	5.7	25
126	The impact of preimplantation genetic testing on prenatal diagnostic procedures. <b>2021</b> , 34, 3066-3069		2
125	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> , <b>2019</b> , 112, 874-881	4.8	6
124	Preimplantation Genetic Testing for Aneuploidy Improves Clinical, Gestational, and Neonatal Outcomes in Advanced Maternal Age Patients Without Compromising Cumulative Live-Birth Rate. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2019</b> , 36, 2493-2504	3.4	23
123	Preimplantation genetic testing in assisted reproductive technology. <b>2019</b> , 61, 30-41		2
122	Does maternal age at retrieval influence the implantation potential of euploid blastocysts?. <i>American Journal of Obstetrics and Gynecology</i> , <b>2019</b> , 220, 379.e1-379.e7	6.4	23
121	The clinicians' dilemma with mosaicism-an insight from inner cell mass biopsies. <i>Human Reproduction</i> , <b>2019</b> , 34, 998-1010	5.7	32
120	Cell-Net: Embryonic Cell Counting and Centroid Localization via Residual Incremental Atrous Pyramid and Progressive Upsampling Convolution. <b>2019</b> , 7, 81945-81955		11
119	Neonatal outcomes of live births after blastocyst biopsy in preimplantation genetic testing cycles: a follow-up of 1,721 children. <i>Fertility and Sterility</i> , <b>2019</b> , 112, 82-88	4.8	25
118	Do serum androgens influence blastocysts ploidy in karyotypically normal women?. <b>2019</b> , 65, 281-287		
117	Performance of preimplantation genetic testing for aneuploidy in IVF cycles for patients with advanced maternal age, repeat implantation failure, and idiopathic recurrent miscarriage. <b>2019</b> , 58, 239-243		11

116	Cost-effectiveness of preimplantation genetic testing for aneuploidies. <i>Fertility and Sterility</i> , <b>2019</b> , 111, 1169-1176	4.8	34
115	Advanced Maternal Age in IVF: Still a Challenge? The Present and the Future of Its Treatment. <b>2019</b> , 10, 94		47
114	Rapamycin Corrects T Regulatory Cell Depletion and Improves Embryo Implantation and Live Birth Rates in a Murine Model. <i>Reproductive Sciences</i> , <b>2019</b> , 26, 1545-1556	3	8
113	Utility and First Clinical Application of Screening Embryos for Polygenic Disease Risk Reduction. <b>2019</b> , 10, 845		21
112	Impact of preimplantation genetic testing for aneuploidy on obstetrical practice. <b>2019</b> , 31, 127-131		1
111	Preimplantation genetic testing for aneuploidy: It's dīvu all over again!. <i>Fertility and Sterility</i> , <b>2019</b> , 112, 1046-1047	4.8	11
110	The cytogenetic constitution of human blastocysts: insights from comprehensive chromosome screening strategies. <i>Human Reproduction Update</i> , <b>2019</b> , 25, 15-33	15.8	44
109	Cumulus-corona gene expression analysis combined with morphological embryo scoring in single embryo transfer cycles increases live birth after fresh transfer and decreases time to pregnancy. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2019</b> , 36, 433-443	3.4	6
108	Lessons from the premature adoption of preimplantation embryo testing. <b>2019</b> , 21, 1038-1040		2
107	Diminished Ovarian Reserve and Assisted Reproductive Technologies. <b>2020</b> ,		2
106	Clinical outcomes after the transfer of blastocysts characterized as mosaic by high resolution Next Generation Sequencing- further insights. <b>2020</b> , 63, 103741		35
105	Preliminary assessment of aneuploidy rates between the polar, mid and mural trophoctoderm. <b>2020</b> , 28, 93-96		2
104	IVF, from the past to the future: the inheritance of the Capri Workshop Group. <b>2020</b> , 2020, hoaa040		5
103	Opinion de comitē 406 : Dīstige pīnatal aprē FIV avec test gēnēque pīmplantatoire des aneuploīies. <i>Journal of Obstetrics and Gynaecology Canada</i> , <b>2020</b> , 42, 1444-1451.e1	1.3	
102	Committee Opinion No. 406: Prenatal Testing After IVF With Preimplantation Genetic Testing for Aneuploidy. <i>Journal of Obstetrics and Gynaecology Canada</i> , <b>2020</b> , 42, 1437-1443.e1	1.3	2
101	Preimplantation Genetic Testing for Chromosomal Abnormalities: Aneuploidy, Mosaicism, and Structural Rearrangements. <b>2020</b> , 11,		29
100	Key metrics and processes for validating embryo diagnostics. <i>Fertility and Sterility</i> , <b>2020</b> , 114, 16-23	4.8	5
99	IUI and uterine lavage of in vivo-produced blastocysts for PGT purposes: is it a technically and ethically reasonable perspective? Is it actually needed?. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2020</b> , 37, 1579-1582	3.4	1

98	Preimplantation genetic testing to reduce preterm births in assisted reproductive technology. <b>2020</b> , 150, 34-40		0
97	Preimplantation Genetic Testing: Where We Are Today. <b>2020</b> , 21,		11
96	Chromosomal mosaicism in human blastocysts: the ultimate diagnostic dilemma. <i>Human Reproduction Update</i> , <b>2020</b> , 26, 313-334	15.8	49
95	Between innovation and precaution: how did offspring safety considerations play a role in strategies of introducing new reproductive techniques?. <b>2020</b> , 2020, hoaa003		4
94	Does ICSI for in vitro fertilization cause more aneuploid embryos?. <i>Molecular Cytogenetics</i> , <b>2020</b> , 13, 27	2	3
93	An overview of the current and emerging platforms for preimplantation genetic testing for aneuploidies (PGT-A) in in vitro fertilization programs. <b>2020</b> , 59, 489-495		6
92	Could PGT-A pick up true abnormalities that have clinical relevance? Retrospective analysis of 1043 embryos. <b>2020</b> , 59, 496-501		1
91	Optimized NGS Approach for Detection of Aneuploidies and Mosaicism in PGT-A and Imbalances in PGT-SR. <b>2020</b> , 11,		13
90	Healthy live births from transfer of low-mosaicism embryos after preimplantation genetic testing for aneuploidy. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2020</b> , 37, 2305-2313	3.4	10
89	Attitudes toward preimplantation genetic testing for aneuploidy among patients with recurrent pregnancy loss in Japan. <b>2020</b> , 46, 567-574		1
88	Hidden in plain sight: the overstated benefits and underestimated losses of potential implantations associated with advertised PGT-A success rates. <i>Human Reproduction</i> , <b>2020</b> , 35, 490-493	5.7	14
87	Preimplantation genetic testing practices in the Nordic countries. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , <b>2020</b> , 99, 707-715	3.8	5
86	Trophectoderm segmentation in human embryo images via inceptioned U-Net. <b>2020</b> , 62, 101612		18
85	The reproducibility of trophectoderm biopsies in euploid, aneuploid, and mosaic embryos using independently verified next-generation sequencing (NGS): a pilot study. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2020</b> , 37, 559-571	3.4	14
84	A systematic review on concurrent aneuploidy screening and preimplantation genetic testing for hereditary disorders: What is the prevalence of aneuploidy and is there a clinical effect from aneuploidy screening?. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , <b>2020</b> , 99, 696-706	3.8	2
83	Re-analysis of whole blastocysts after trophectoderm biopsy indicated chromosome aneuploidy. <b>2020</b> , 14, 3		16
82	Clinical error rates of next generation sequencing and array comparative genomic hybridization with single thawed euploid embryo transfer. <b>2020</b> , 63, 103852		9
81	Pregnancy outcomes after day 5 versus day 6 blastocyst-stage embryo transfer: A systematic review and meta-analysis. <b>2020</b> , 46, 595-605		9

80	Non-invasive prenatal testing in the context of IVF and PGT-A. <b>2021</b> , 70, 51-62		4
79	A multicenter, prospective, blinded, nonselection study evaluating the predictive value of an aneuploid diagnosis using a targeted next-generation sequencing-based preimplantation genetic testing for aneuploidy assay and impact of biopsy. <i>Fertility and Sterility</i> , <b>2021</b> , 115, 627-637	4.8	36
78	When embryology meets genetics: the definition of developmentally incompetent preimplantation embryos (DIPE)-the consensus of two Italian scientific societies. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2021</b> , 38, 319-331	3.4	1
77	Preimplantation genetic testing for aneuploidy: A Canadian Fertility and Andrology Society Guideline. <i>Reproductive BioMedicine Online</i> , <b>2021</b> , 42, 105-116	4	1
76	Preimplantation genetic testing: a review of current modalities. <i>F&amp;S Reviews</i> , <b>2021</b> , 2, 43-56	0.5	2
75	A systematic review exploring the patient decision-making factors and attitudes towards pre-implantation genetic testing for aneuploidy and gender selection. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , <b>2021</b> , 100, 17-29	3.8	4
74	Preimplantation genetic testing for aneuploidy: A review of published blastocyst reanalysis concordance data. <i>Prenatal Diagnosis</i> , <b>2021</b> , 41, 545-553	3.2	10
73	Preimplantation genetic testing for aneuploidy in uterus transplant patients. <i>Therapeutic Advances in Reproductive Health</i> , <b>2021</b> , 15, 26334941211009848	1.8	2
72	Towards the selection of embryos with the greatest implantation potential. <i>Journal of Obstetrics and Gynaecology</i> , <b>2021</b> , 41, 1010-1015	1.3	1
71	Preimplantation Genetic Testing for Aneuploidy: A Review of the Evidence. <i>Obstetrics and Gynecology</i> , <b>2021</b> , 137, 528-534	4.9	6
70	Preimplantation Genetic Testing. <b>2021</b> , 102-139		
69	Maternal and neonatal outcomes in pregnancies conceived after preimplantation genetic testing. <i>Prenatal Diagnosis</i> , <b>2021</b> , 41, 835-842	3.2	2
68	An algorithm to personalise the diagnosis of recurrent implantation failure based on theoretical cumulative implantation rate. <i>Human Reproduction</i> , <b>2021</b> , 36, 1463-1468	5.7	4
67	A validated model for predicting live birth after embryo transfer. <i>Scientific Reports</i> , <b>2021</b> , 11, 10800	4.9	0
66	The effects of aging on molecular modulators of human embryo implantation. <i>iScience</i> , <b>2021</b> , 24, 102751	6.1	4
65	The "mosaic" embryo: misconceptions and misinterpretations in preimplantation genetic testing for aneuploidy. <i>Fertility and Sterility</i> , <b>2021</b> , 116, 1205-1211	4.8	5
64	Clinical pregnancy rates and experience with in vitro fertilization after uterus transplantation: Dallas Uterus Transplant Study. <i>American Journal of Obstetrics and Gynecology</i> , <b>2021</b> , 225, 155.e1-155.e11	6.4	7
63	A Non-invasive Chromosome Screening Strategy for Prioritizing Fertilization Embryos for Implantation. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 708322	5.7	1

62	Vitrification yields higher cryo-survival rate than slow freezing in biopsied bovine in vitro produced blastocysts. <i>Theriogenology</i> , <b>2021</b> , 171, 44-54	2.8	1
61	IVF embryo choices and pregnancy outcomes. <i>Prenatal Diagnosis</i> , <b>2021</b> ,	3.2	1
60	Clinical outcome of intrauterine infusion of platelet-rich plasma in patients with recurrent implantation failure.. <i>Reproductive Medicine and Biology</i> , <b>2022</b> , 21, e12417	4.1	2
59	Preimplantation Genetic Diagnosis. 419-452		1
58	The dawn of the future: 30 years from the first biopsy of a human embryo. The detailed history of an ongoing revolution. <i>Human Reproduction Update</i> , <b>2020</b> , 26, 453-473	15.8	17
57	Diagnostic and therapeutic options in recurrent implantation failure. <i>F1000Research</i> , <b>2020</b> , 9,	3.6	16
56	Identification of chromosomal errors in human preimplantation embryos with oligonucleotide DNA microarray. <i>PLoS ONE</i> , <b>2013</b> , 8, e61838	3.7	18
55	Management of Incidental Findings in the Era of Next-generation Sequencing. <i>Current Genomics</i> , <b>2015</b> , 16, 159-74	2.6	35
54	Frequency of chromosomal aneuploidy in high quality embryos from young couples using preimplantation genetic screening. <i>International Journal of Reproductive BioMedicine</i> , <b>2017</b> , 15, 297-304 <sup>1.3</sup>		4
53	Preimplantation Genetic Diagnosis: Prenatal Testing for Embryos Finally Achieving Its Potential. <i>Journal of Clinical Medicine</i> , <b>2014</b> , 3, 280-309	5.1	32
52	Towards a better understanding of preimplantation genetic screening and cumulative reproductive outcome: transfer strategy, diagnostic accuracy and cost-effectiveness. <i>AIMS Genetics</i> , <b>2016</b> , 03, 177-195 <sup>2.1</sup>		5
51	Recent Advances and Current Perspectives on Endometrial Receptivity. <i>Current Obstetrics and Gynecology Reports</i> , <b>2021</b> , 10, 45	0.6	
50	Symmetry at the 4-Cell Stage Is Associated with Embryo Aneuploidy. <i>Reproductive Sciences</i> , <b>2021</b> , 28, 3473-3479	3	
49	Preimplantation Genetic Screening and Diagnosis Using Fluorescent In Situ Hybridization (FISH). <b>2013</b> , 125-134		
48	Quantitative SNP Array and Real-Time PCR-Based Human Preimplantation Embryo Aneuploidy Screening. <b>2013</b> , 157-161		
47	[Update on preimplantation genetic diagnosis and screening]. <i>Orvosi Hetilap</i> , <b>2014</b> , 155, 1375-82	0.8	
46	Cytogenetic causes of miscarriage induced in an in vitro fertilization program. <i>Russian Bulletin of Obstetrician-Gynecologist</i> , <b>2016</b> , 16, 4	0.2	
45	Preimplantation Genetic Diagnosis and Genetic Screening. <b>2017</b> , 329-343		

44	Polar Body, Cleavage Stage and Trophectoderm Biopsy. <b>2017</b> , 245-258		
43	Comprehensive Chromosome Analysis in Diminished Ovarian Reserve Patients. <b>2020</b> , 289-298		
42	Effectiveness and Safety of Freeze-All Strategy with Regard to Medically Assisted Reproduction and Perinatal Outcomes. <b>2020</b> , 411-418		
41	Frequency and clinical management of numerical and segmental mosaicism in embryo biopsies obtained for preimplantation genetic testing (PGT). <i>Global Reproductive Health</i> , <b>2020</b> , 5, e39-e39	1	
40	Clinical Outcome of Preimplantation Genetic Testing. <b>2020</b> , 253-273		
39	Time to blastulation is superior to individual components of embryo grading for live-birth prediction. <i>F&amp;S Reports</i> , <b>2020</b> , 1, 243-248	0.6	
38	Hormonal Effects in Reproductive Technology with Focus on Diminished Ovarian Reserve. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1242, 13-36	3.6	
37	Lapatinib Decreases the Preimplantation Aneuploidy Rate of in vitro Fertilized Mouse Embryos without Affecting Completion of Preimplantation Development. <i>Cytogenetic and Genome Research</i> , <b>2020</b> , 160, 680-687	1.9	
36	Preimplantation Genetic Testing for Aneuploidies (PGT-A) in Recurrent Miscarriage. <b>2020</b> , 657-664		
35	Frequency of chromosomal aneuploidy in high quality embryos from young couples using preimplantation genetic screening. <i>International Journal of Reproductive BioMedicine</i> , <b>2017</b> , 15, 297-304	1.3	3
34	The Imperative of Responsible Innovation in Reproductive Medicine. <i>New England Journal of Medicine</i> , <b>2021</b> , 385, 2096-2100	59.2	4
33	PGT-A Should Be Offered for All Women. <b>2021</b> , 207-209		
32	PGT-A Should Be Offered for Recurrent Implantation Failure. <b>2021</b> , 202-204		
31	Defining recurrent implantation failure: a profusion of confusion or simply an illusion?. <i>Fertility and Sterility</i> , <b>2021</b> , 116, 1432-1435	4.8	2
30	Trisomy 21 and Assisted Reproductive Technologies: A review. <i>Jornal Brasileiro De Reproducao Assistida</i> , <b>2021</b> ,	1.7	0
29	Preimplantation Genetic Testing for Aneuploidy: Has the Controversy Settled? A Review. <i>Current Obstetrics and Gynecology Reports</i> , 1	0.6	0
28	Similar implantation competence in euploid blastocysts developed on day 5 or day 6 in young women: a retrospective cohort study.. <i>Human Fertility</i> , <b>2022</b> , 1-9	1.9	
27	Genetic Screening and Teratogenic Exposures: Considerations in Caring for the Uterus Transplant Patient.. <i>Clinical Obstetrics and Gynecology</i> , <b>2022</b> , 65, 76-83	1.7	

26	The impact of euploid blastocyst morphology and maternal age on pregnancy and neonatal outcomes in natural cycle frozen embryo transfers.. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2022</b> , 39, 647	3.4	0
25	Non-invasive embryo selection strategy for clinical IVF to avoid wastage of potentially competent embryos.. <i>Reproductive BioMedicine Online</i> , <b>2022</b> ,	4	0
24	The Relationship between Human Embryo Parameters and De Novo Chromosomal Abnormalities in Preimplantation Genetic Testing Cycles.. <i>International Journal of Endocrinology</i> , <b>2022</b> , 2022, 9707081	2.7	0
23	New insights regarding origin of monosomy occurrence in early developing embryos as demonstrated in preimplantation genetic testing.. <i>Molecular Cytogenetics</i> , <b>2022</b> , 15, 11	2	0
22	Female infertility and the evaluation of an infertile couple. 865-883		
21	Data_Sheet_1.docx. <b>2019</b> ,		
20	National Canadian Survey on the Management of Non-Euploid Embryos.. <i>Journal of Obstetrics and Gynaecology Canada</i> , <b>2022</b> ,	1.3	
19	Genetic Screening and Prenatal Genetic Diagnosis. <b>2017</b> , 193-218		1
18	Preimplantation Genetic Testing. <b>2022</b> , 409-427		
17	Development of an artificial intelligence model for predicting the likelihood of human embryo euploidy based on blastocyst images from multiple imaging systems during IVF. <i>Human Reproduction</i> ,	5.7	0
16	Non-invasive chromosome screening for embryo preimplantation using cell-free DNA. <i>Reproductive and Developmental Medicine</i> , <b>2022</b> , 6, 113-120	0.6	0
15	Avoid mixing apples and oranges: blastocysts diagnosed with uniform whole chromosome aneuploidies are reproductively incompetent and their transfer is harmful. <i>Human Reproduction</i> ,	5.7	0
14	Embryo selection through non-invasive preimplantation genetic testing with cell-free DNA in spent culture media: a protocol for a multicentre, double-blind, randomised controlled trial. <b>2022</b> , 12, e057254		1
13	An artificial intelligence model correlated with morphological and genetic features of blastocyst quality demonstrates superior ranking of viable embryos. <b>2022</b> ,		2
12	On the reproductive capabilities of aneuploid human preimplantation embryos. <b>2022</b> , 109, 1572-1581		1
11	The impact of preimplantation genetic testing on first- and second-trimester maternal serum analyte levels. 1-9		0
10	Limits imposed by the experimental design of a large prospective non-inferiority study on PGT-A invalidate many of the conclusions.		0
9	The impact of blastocyst freezing and biopsy on the association of blastocyst morphological parameters with live birth and singleton birthweight. <b>2022</b> ,		0



- 8 Preimplantation genetic testing for aneuploidy: challenges in clinical practice. **2022**, 16,
- 7 Clinical application of noninvasive chromosomal screening for elective single-blastocyst transfer in frozen-thawed cycles. **2022**, 20,
- 6 Leukocyte telomere length in children born following blastocyst-stage embryo transfer.
- 5 Transfer of the fittest: using PGT-A to select embryo(s) most likely to lead to live birth. **2023**,
- 4 Trophectoderm non-coding RNAs reflect the higher metabolic and more invasive properties of young maternal age blastocysts. 1-17
- 3 Does maternal age affect Assisted Reproduction Technology success rates after euploid embryo transfer? A systematic review and meta-analysis. **2023**,
- 2 Should the Treatment of Patients with Repeated Embryo Implantation Failure Be Adapted as a Function of the Endometrial Cytokine Profile? A Single-Center Experience. **2023**, 11, 817
- 1 Identifying parental and cell-division origins of aneuploidy in the human blastocyst. **2023**, 110, 565-574