



# THE CRYOTOP<sup>®</sup> METHOD RELEVANT PUBLICATIONS



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This catalogue shows a selection of articles on using the Cryotop® Method from Kitazato published in various scientific magazines. These publications were not created for commercial purposes, their only objective being scientific dissemination. The purpose of this catalogue is to show the excellent results provided by the Cryotop® Method from Kitazato as a cryopreservation method.

# EMBRYO VITRIFICATION

Qing-Yun D, En-Yin W, Yan H, Xiao-Yi G, Yu-Jing X, Yi-Ping Y, Gui-Dong Y, Sen-Lin S, Ying-Pu S. *Blastocoele expansion degree predicts live birth after single blastocyst transfer for fresh and vitrified/warmed single blastocyst transfer cycles.* Fertility & Sterility, 2016.

Roy TK, Bradley CK, Bowman MC, McArthur SJ. *Single-embryo transfer of vitrified-warmed blastocysts yields equivalent live-birth rates and improved neonatal outcomes compared with fresh transfers.* Fertility & Sterility, 2014.

Murakami M, Egashira A, Tanaka K, Mine C, Otsubo H, Kuramoto T. *Perinatal outcomes for transfer of blastocysts vitrified and warmed in defined solutions with recombinant human albumin: 374 babies born after 898 embryo transfers.* Journal of Assisted Reproduction and Genetics, 2014.

Cobo A, Castellò D, Vallejo B, Albert C, de los Santos JM, Remohí J. *Outcome of cryotransfer of embryos developed from vitrified oocytes: double vitrification has no impact on delivery rates.* Fertility & Sterility, 2013.

Liu SY, Teng B, Fu J, Li X, Zheng Y, Sun XX. *Obstetric and neonatal outcomes after transfer of vitrified early cleavage embryos.* Human Reproduction, 2013.

Kato O, Kawasaki N, Bodri D, Kuroda T, Kawachiya S, Kato K, Takehara Y. *Neonatal outcome and birth defects in 6623 singletons born following minimal ovarian stimulation and vitrified versus fresh single embryo transfer.* European Journal of Obstetrics & Gynecology and Reproductive Biology, 2012.

Cobo A, de los Santos MJ, Castellò D, Gámiz P, Campos P, Remohí J. *Outcomes of vitrified early cleavage-stage and blastocyst-stage embryos in a cryopreservation program: evaluation of 3,150 warming cycles.* Fertility & Sterility, 2012.

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Ku PY, Lee RK, Lin SY, Lin MH, Hwu YM. *Comparison of the clinical outcomes between fresh blastocyst and vitrified-thawed blastocyst transfer.* Journal of Assisted Reproduction and Genetics, 2012.

Shi W, Xue X, Zhang S, Zhao W, Liu S, Zhou H, Wang M, Shi J. *Perinatal and neonatal outcomes of 494 babies delivered from 972 vitrified embryo transfers.* Fertility & Sterility, 2012.

Zhu D, Zhang J, Cao S, Zhang J, Heng BC, Huang M, Ling X, Duan T, Tong GQ. *Vitrified-warmed blastocyst transfer cycles yield higher pregnancy and implantation rates compared with fresh blastocyst transfer cycles-time for a new embryo transfer strategy?* Fertility & Sterility, 2011.

Lin TK, Su JT, Lee FK, Lin YR, Lo HC. *Cryotop vitrification as compared to conventional slow freezing for human embryos at the cleavage stage: survival and outcomes.* Taiwanese Journal of Obstetrics and Gynecology, 2010.

Hiraoka K, Hiraoka K, Kinutani M, Kinutani K. *Blastocoele collapse by micropipetting prior to vitrification gives excellent survival and pregnancy outcomes for human day 5 and 6 expanded blastocysts.* Human Reproduction, 2004.

Hiraoka K, Hiraoka K, Kinutani M, Kinutani K. *Case report: successful pregnancy after vitrification of a human blastocyst that had completely escaped from the zona pellucida on day 6.* Human Reproduction, 2004.

## PGS - PGD

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Ubaldi FM, Capalbo A, Colamaria S, Ferrero S, Maggiulli R, Vajta G, Sapienza F, Cimadomo D, Giuliani M, Gravotta E, Vaiarelli A, Rienzi L. *Reduction of multiple pregnancies in the advanced maternal age population after implementation of an elective single embryo transfer policy coupled with enhanced embryo selection: pre- and post-intervention study.* Human Reproduction, 2015.

Greco E, Biricik A, Cotarello RP, Iammarone E, Rubino P, Tesarik J, Fiorentino F, Minasi MG. *Successful implantation and live birth of a healthy boy after triple biopsy and double vitrification of oocyte-embryo-blastocyst.* Springerplus, 2015.

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Zaheer H, Elkalyoubi M, Madkour WI, Al Adham M, Albahar A. *Birth of a healthy boy after fertilization of a cryopreserved oocyte and testicular spermatozoon followed by preimplantation genetic screening.* Hamdan Medical Journal, 2013.

## DEFERRED EMBRYO TRANSFER

Almeida Ferreira Braga D, Souza A, Cassia R, de Castro M, Iaconelli A, Guimarães Lo Turco E, Borges E Jr. *Freeze Q1 -all, oocyte vitrification, or fresh embryo transfer? Lessons from an egg-sharing donation program.* Fertility & Sterility, 2016

Ozgun K, Bulut H, Berkkanoglu M, Humaidan P, Coetzee K. *Concurrent oocyte retrieval and hysteroscopy: a novel approach in assisted reproduction freeze-all cycles.* Reproductive Biomedicine Online, 2016.

Bloekel C, Drakopoulos P, Santos-Ribeiro S, Polyzos N, Tournaye H. *A fresh look at the freeze-all protocol: a SWOT analysis.* Human Reproduction, 2016.

Roy TK, Bradley CK, Bowman MC, McArthur SJ. *Single-embryo transfer of vitrified-warmed blastocysts yields equivalent live-birth rates and improved neonatal outcomes compared with fresh transfers.* Fertility & Sterility, 2014.

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- Seet VY, Al-Samerria S, Wong J, Stanger J, Yovich JL, Almahbobi G. *Optimising vitrification of human oocytes using multiple cryoprotectants and morphological and functional assessment*. Reprod Fertil Dev, 2013.
- Solé M, Santaló J, Boada M, Clua E, Rodríguez I, Martínez F, Coroleu B, Barri PN, Veiga A. *How does vitrification affect oocyte viability in oocyte donation cycles? A prospective study to compare outcomes achieved with fresh versus vitrified sibling oocytes*. Human Reproduction, 2013.
- Forman EJ, Li X, Ferry KM, Scott K, Treff NR, Scott RT Jr. *Oocyte vitrification does not increase the risk of embryonic aneuploidy or diminish the implantation potential of blastocysts created after intracytoplasmic sperm injection: a novel, paired randomized controlled trial using DNA fingerprinting*. Fertility & Sterility, 2012.
- Trokoudes KM, Pavlides C, Zhang X. *Comparison outcome of fresh and vitrified donor oocytes in an egg-sharing donation program*. Fertility & Sterility, 2011.
- Bonetti A, Cervi M, Tomei F, Marchini M, Ortolani F, Manno M. *Ultrastructural evaluation of human metaphase II oocytes after vitrification: closed versus open devices*. Fertility & Sterility, 2011.
- Setti AS, Figueira Rde C, Braga DP, Ferreira RC, Iaconelli A Jr, Borges E Jr. *Oocyte morphology does not affect post-warming survival rate in an egg-cryobanking donation program*. J Assist Reprod Genet, 2011.
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- Rienzi L, Romano S, Albricci L, Maggiulli R, Capalbo A, Baroni E, Colamaria S, Sapienza F, Ubaldi F. *Embryo development of fresh 'versus' vitrified metaphase II oocytes after ICSI: a prospective randomized sibling-oocyte study*. Human Reproduction, 2010.
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- Antinori M, Licata E, Dani G, Cerusico F, Versaci C, Antinori S. *Cryotop vitrification of human oocytes results in high survival rate and healthy deliveries*. Reproductive Biomedicine Online, 2007.
- Lucena E, Bernal DP, Lucena C, Rojas A, Moran A, Lucena A. *Successful ongoing pregnancies after vitrification of oocytes*. Fertility & Sterility, 2006.

## FERTILITY PRESERVATION

Cobo A, García-Velasco JA, Coello A, Domingo J, Pellicer A, Remohí J. *Oocyte vitrification as an efficient option for elective fertility preservation*. Fertility and Sterility, 2016.

García-Velasco JA, Domingo J, Cobo A, Martínez M, Carmona L, Pellicer A. *Five years' experience using oocyte vitrification to preserve fertility for medical and nonmedical indications*. Fertility and Sterility, 2013.

Song WY, Sun YP, Jin HX, Xin ZM, Su YC, Guo YH, Chen ZJ. *Clinical application of oocyte vitrification in failed testicular sperm extraction cycles: report of 8 cases*. National journal of Andrology, 2010.

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Sánchez-Serrano M, Crespo J, Mirabet V, Cobo A, María-José Escribá, Simón C, Pellicer A. *Twins born after transplantation of ovarian cortical tissue and oocyte vitrification*. Fertility and Sterility, 2010.

## EGG BANKING

Cobo A, Garrido N, Pellicer A, Remohí J. *Six years' experience in ovum donation using vitrified oocytes: report of cumulative outcomes, impact of storage time, and development of a predictive model for oocyte survival rate*. Fertility & Sterility, 2015.

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## QUALITY RESULTS FOR LIFE

Kitazato applies the philosophy of continuous improvement. We cooperate with some of the most important fertility clinics in the world, listening attentively to their suggestions and adapting to the results of their research and their daily work to develop new methods to combat infertility and constantly improve our products.



*Our relationship with the clinics is very close thanks to our international training programme. We constantly organise workshops and talks for embryologists and doctors where they have the opportunity to see and learn about the correct use of our products. We are willing to share with you our experience so that you can obtain the quality results that we are capable of offering.*

*Because quality is the raison d'être of Kitazato; we believe in it from start to finish, from the selection of raw materials to the delivery of products to the clinics. This is our main objective, our daily challenge: to offer the highest standards of quality to guarantee that our clients achieve the best results, and thus be able to make the patients' dreams of being parents a reality.*



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