

ART SPOTLIGHT



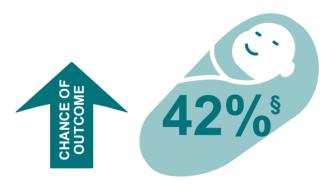


Did you know?

...that embryo transfer method may impact obstetric outcomes in women receiving fresh donor oocytes?

A retrospective cohort study of 33,863 women undergoing ART using freshly retrieved donor oocytes reported that live-birth rates* were significantly higher in those receiving fresh embryos vs cryopreserved-thawed embryos¹

Fresh embryos (n=15,308) *vs* cryopreserved-thawed embryos (n=36,634)¹



Live-birth rates*

56.6% vs 44.0% aRR[‡] 1.42 (95% CI 1.39–1.46)



Clinical pregnancy rates[†]

66.7% vs 54.2% aRR[‡] 1.34 (95% CI 1.31–1.37)



No significant difference in miscarriage rates[†] 9.3% *vs* 9.4%; aRR[‡] 0.98 (95% CI 0.91–1.07)

Similar results were found when PGT-A was performed

*primary endpoint; *secondary endpoint. Due to the potential for type 1 errors due to multiple comparisons, findings from analyses of secondary endpoints should be interpreted as exploratory. *adjusted for donor age, day of embryo transfer, use of a gestational carrier, and assisted hatching; *spercentages calculated from the aRRs and reflect increased likelihood of achieving outcomes with fresh embryos vs cryopreserved-thawed embryos.

These results suggest that the cryopreservation-thaw process may lower the implantation potential of an embryo derived from a fresh donor oocyte¹

The interpretation of these findings is limited by the potential for selection and confounding bias.

aRR, adjusted relative risk; ART, assisted reproductive technology; CI, confidence interval; PGT-A, preimplantation genetic testing for aneuploidy.

1. Insogna IG et al. JAMA 2021;325(2):156-63.

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