

TITLE:

Embryo vitrification on day 4 increases the survival rate in oocyte recipients.

AUTHORS:

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SUMMARY:

At present, embryo cryopreservation techniques (through vitrification) represent an important progress for increasing implantation and pregnancy rates after reproductive treatments. In this study we wanted to assess which was the optimal day for cryopreserving embryos, based on the last 750 treatments done at our clinic.

The clinical results obtained after vitrifying embryos on day 3, 4 and 5 of development, and later thawed and transferred to our patients, have provided highly satisfactory results, with more than 40% of ongoing pregnancy, regardless of the day of freezing.

However, we found a very interesting fact, which is that the embryonic survival rates after thawing on day 4, were higher than on day 5. Currently, most freezing is done on day 3 and 5, so the strategy of vitrifying on day 4 must be taken into account to enhance results.