

100% post-warmed survival rate for 1491 blastocysts in

Alpha Fertility Centre

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Introduction:

With the benefit of better endometrium receptivity in unstimulated cycles and supported by good post-warmed blastocysts survival rate, it is now clear that pregnancy rates for frozen blastocyst transfer is better than the transfer of fresh blastocysts. Alpha Fertility Centre has adopted the Cryotec Method for blastocyst vitrification and warming since July 2013. This study demonstrates the post-warmed survival rate for 1491 blastocysts in 1011 frozen blastocyst transfers (FBT).

Materials && Methods:

Since the commencement of the use of Cryotec Method in July 2013 till now (May 2017), Alpha Fertility Centre had vitrified and warmed 1491 blastocysts using the Cryotec Method for 1011 FBT patients. Only blastocysts which developed to at least expanding stage (quality of at least BG3BB according to Gardner's Blastocyst Grading System) were vitrified and warmed. The blastocyst vitrification and warming protocols were conducted according to manufacturer's protocols (Cryotech, Japan). The number of FBT cycles for each age group was 621 (<35 years old), 182 (35-37 years old), 111 (38-39 years old), 70 (40-41 years old) and 27 (≥42 years old). The number of blastocysts vitrified and warmed for each age group was 954, 258, 149, 91 and 39 respectively.

Results:

Of the 1491 blastocysts warmed, all blastocysts survived with morphologically intact inner cell mass and trophectoderm cells with no degradation in quality.

Conclusion:

This study shows that by using the Cryotec Method, we consistently achieved 100% post-warmed survival rate in blastocysts.

