RESULTS OF FROZEN EMBRYO TRANSFER (FET) CYCLES BY CRYOTEC VITRIFICATION METHOD: FIRST EXPERIENCES IN VIETNAM
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Objectives: To explore the efficacy of vitrifying-thawing embryos using Cryotec vitrification method in FET cycles.

Methods: A retrospective case series report was conducted at IVFMD, My Duc hospital from July 2014 to September 2014 on FET cycles. The day 3 embryos were vitrified - warmed using Cryotec vitrification method (CRYOTECH, Japan). Outcome measures included the rates of survival, βhCG, clinical pregnancy and implantation.

Results: In 503 patients that had embryos for vitrifying, 103 patients had come back for a frozen embryo transfer. This patients characteristics and demographic data: age (33.4±5.4 year), BMI (20.9±2.2), endometrial thickness (11.0±1.2 mm), the average numbers of embryos transferred (2.7±0.7), the average numbers of top-quality embryos transferred (1.2±1.1). The survival and βhCG rates were 93.4% and 58.9% respectively while the clinical pregnancy and implantation rates were 55.6% and 46.2% respectively (updated to July 2014).

Conclusions: This was the first study in Vietnam using the Cryotec vitrification method for vitrifying-thawing embryo. Our study showed that Cryotec vitrification method provided high survival rate and good outcomes. However, there is still a need for further prospective controlled studies on the obstetric and neonatal repercussions.