



GLOBALIZATION OF OOCYTE DONATION. CLINICAL RESULTS ACHIEVED BY DIFFERENT TYPES OF PROGRAMS.

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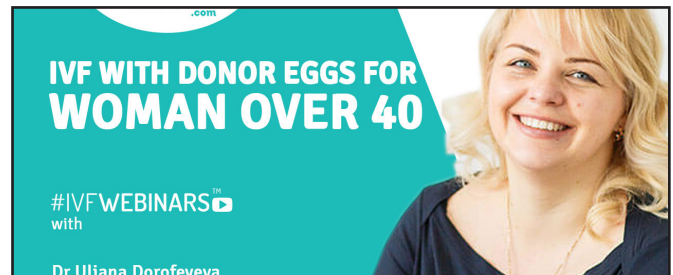
Abstract:

Introduction: Oocyte donation has been proven to be a successful treatment option for women who can not conceive because of advanced age, diminished ovarian reserve or genetic disease.

Nowadays oocyte donation is an established standard and effective treatment for age related infertility. However, legal regulations in each country regarding oocyte donation are different and due to that fact many patients had to travel out of home country to receive egg donation treatment. In recent decade that practice has been changed. Clinics are offering complete oocyte donation treatment with the gametes being imported from the banks or another clinics.

Aims: The purpose of this study is to present a systematic review of the available results of cross-border transportation of biological materials and compare it with a standard approach involved patients travelling. We investigated results achieved in 23 centers with vitrified / warmed oocytes and embryos from one center - supplier.

Materials and Methods: All egg donation treatment cycle results in 23 medical centers during the years 2014-2019 were included. 4 centers performed cycles with embryo creation in a clinic supplier and 19 received vitrified oocytes.



Results: In an embryo creation programs 596 clinical pregnancies has been achieved out of 2001 embryotransfers, which lead to 30% clinical pregnancy rate and very from 28 to 42 %. Cumulative clinical pregnancy is between 79 to 86% depending on a clinic. In clinics with vitrified oocytes supply 12577 were warmed, with 82% survival rate (very from 69 to 94%), 76% fertilization rate and 34% (very from 26 to 58%) CPR rate per cycle.

Conclusions: Results show that, once all critical aspects are considered, import of biological materials and complex offer by a clinic have many more benefits for the patients in terms of time and comfort with comparable clinical results.

Webinar on Women Health Science and Care, 7 September, 2020, Tokyo, Japan

Citation: Dorofeyeva U, IVF Unit, Medical Center Intersono, Lviv, Ukraine Webinar on Women Health Science and Care, 7 September, 2020, Tokyo, Japan