EuroSciCon

8th Edition of International Conference on

Clinical and Medical Case Reports

May 28-29, 2018
London, UK

Mingrong lv, Med Case Rep. 2018, Volume 4
DOI:10.21767/2471-8041-C1-002

SUCCESSFUL PREGNANCY AFTER ICSI WITH ARTIFICIAL OOCYTE ACTIVATION BY CALCIUM IONOPHORE IN IN-VITRO MATURED OOCYTES FOR A WOMEN OF ADVANCED AGE : A CASE REPORT

Mingrong lv[1], Zhiguo zhang[2] and Yunxia cao[1,2,3]

[1]Reproductive Medicine Center, Department of Obstetrics and Gynecology, The First Affiliated Hospital of Anhui Medical University,China

[2]Province Key Laboratory of Reproductive Health and Genetics, AHMU,China

[3]Anhui Provincial Engineering Technology Research Center for Biopreservation and Artificial Organs,China

The achievement of a successful pregnancy after oocyte activation with calcium ionophore is reported in a couple having low fertilization rates after intracytoplasmic sperm injection (ICSI) of in-vitro matured oocytes. A couple, in which the wife is 41years old, who had polycystic ovary syndrome and the husband is 48, who had moderate oligoteratozoospermia, showed a low implantation rate in previous 5 cycles. In the latest cycle, 2 inmature oocytes were retrieved. 24h later, artificial oocyte activation by calcium ionophore was combined with ICSI to achieve viable fertilized oocytes. Oocytes were stimulated with calcium ionophore for 15 min after ICSI. On the fifth day, two blastcycsts were formed and frozen. Two months later, two blastcycsts derived from the activated oocytes were transferred into the uterus after thawed. Subsequently, one gestational sac was identified on ultrasound. This result suggests that calcium ionophore could be useful for aged patients with low fertility after ICSI of in-vitro matured oocytes.

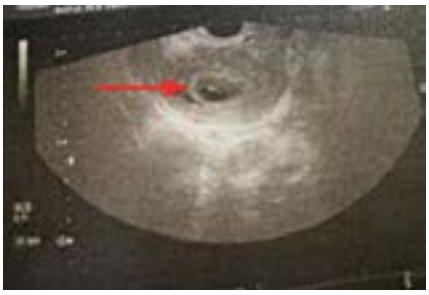

Figure 1: Gestational sac in the picture is marked with a red arrow

Biography

Dr.Mingrong completed her PhD from University of Science and Technology of China in 2015. She has published more than 6 papers in Cell Death and Disease , Scientific reports and so on. Now she works in the Reproductive Medicine Center, Department of Obstetrics and Gynecology, The First Affiliated Hospital of Anhui Medical University, Hefei, China.

lmr2010@mail.ustc.edu.cn