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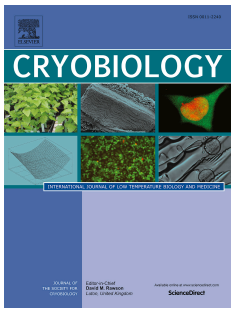

Evaluation of sheep ovarian tissue cryopreserved by slow freezing or vitrificaton after chick embryo chorioallantoic membrane transplantation

Mahboubeh Vatanparast, Mohammad Ali Khalili, Nahid Yari, Marjan Omidi, Mehdi Mohsenzadeh

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Mahboubeh Vatanparast[1,2] , Mohammad Ali Khalili[1], Nahid Yari[1], Marjan Omidi[1], Mehdi Mohsenzadeh[1]

[1]Research and Clinical Center for Infertility, Yazd Reproductive Institute, Shahid Sadoughi University of Medical Sciences, Yazd, Iran

[2]Rafsanjan University of Medical Sciences, Rafsanjan, Iran.

Corresponding author:

Mohammad Ali Khalili, PhD

Email: khalili59@hotmail.com

Tel: 09133570876

Abstract

The aim of our investigations was to compare the effectiveness of two methods for cryopreservation of sheep ovarian tissue, slow freezing and vitrification. The quality of cryopreserved tissues was evaluated after 5 days of thawing and chorioallantoic membrane (CAM) transplantation. Follicular structure, stromal integrity and neovascularization were assessed. The areas of fibrosis and necrosis were measured using MICROVISIBLE software, and proliferation was assessed with Ki-67 immunostaning.