شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد أعدت دون أية تغيرات

يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%

بعض الوثائـــــــق الاصليـــــة تالفـــة

بالرسالة صفحات لم ترد بالاصل

Cairo University
Faculty of Veterinary Medicine
Department of Theriogenology

In Vitro Maturation and fertilization of Camel oocytes

Thesis presented
by
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(B.V. Sc. 2000; Cairo University)

for

M.V. Sc.
(Theriogenology)

Under Supervision

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2005

بسم الله الرحمن الرحيم

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا ۖ إِنَّكَ

أَنتَ الْعَلِيمُ الْحَكِيمُ ﴿٣٢﴾

صدق الله العظيم

(سورة البقرة آية : ٣٢)

To Whom I Love

FATHER, MOTHER,

BROTHER, SISTER

Cairo University
Faculty of Veterinary Medicine
Department of Theriogenology

Approval Sheet

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To Cairo University
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Entitled:

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For M.V.Sc. Degree (Theriogenology)

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Abstract

A total number of 1225 ovaries of pregnant and non-pregnant dromedary camels slaughtered at Cairo and Giza slaughter houses were collected during the period between March 2003 and April 2004. The oocytes were aspirated from 2-6 mm follicles. The oocytes were classified into 4 grades, then cultured in TCM-199 + 10% FCS for 24, 30, 36 or 48 hours. Mature oocytes were inseminated with caffeine (5mM) capacitated epididymal spermatozoa at concentration of 1, 2, 3 or $4X10^6$ sperm cell / ml. Presumptive zygotes were cultured in H-TCM-199 at 39°C in 5% Co_2 for 9 days. The results indicated that, gravid organs resulted in significantly lower ($P<0.05$) oocyte yield, quality and maturation rate than non-gravid organs. Collection of oocytes during autumn and winter significantly increase the percentage of selected oocytes and maturation rate than spring and summer. Maturation rate of camel oocytes was highest (72.30%) for 36 hours culture period. The fertilization rate was highest (29.68%) for oocytes inseminated with caffeine capacitated camel epididymal spermatozoa at 2 X 10^6 sperm cell /ml in BSA containing F-TALP medium. The cleavage of camel oocytes up to 16 cell stage was noted 18 to 24 hours after IVF, while the morula and blastocyst stages began to appear after 4 and 5 days, respectively.

Key words : Camel, Oocyte, IVM, Epididymis, IVF, IVC

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