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()

MEM- α

*

)

NMARI

MEM- α , hCG, rFSH, % FCS

rFSH hCG MEM- α % hHFF

% hHFF

(% /) (% /) (% /) :

(P < /) (P < /)

(% /) (% /) (% /)

(P < /) (P < / P < /)

:

:

(PCOS)

.()

IVM

(In Vitro Maturation IVM)

Enzman Pincus

(Germinal Vesicle GV)

(GVBD) Germinal Vesicle Breakdown

Large offspring syndrome

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(Assisted ART Reproductive Technology)

IVM

.()

IVM

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IVM

GV

In vitro

.()

II

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/ ,

 IVF IVF-ET
 . ()
 GnRH-a HCG (MEM- α)
 NMRI
 ()
 × g
 (°C)
 . () IVF-ET
 •
 CO₂ mg/ml MEM- α (sigma) :
 (sigma) rFSH mg/ml FCS(sigma) 20%
 . HCG(sigma) mg/ml
 :
 GV .(Heated Human Follicular Fluid 100%)%
 GVBD MEM- α (sigma) :
 mg rFSH(sigma) mg/ml hHFF20%
 . MII . HCG(sigma)
 •
IVF (in vitro fertilization) •
 :

MII (P < /) . I
 % / % /

(P < /) NMARI . II

hHFF 100%

(P < /) /

(P < /) ° C

MII Two Cell . III

% / hHFF 100% . (× ml)

% hHFF 20% . IV

% / MEM- α . V

(P < /) . IVF

(P < /)

()

Two cell	MII	GVBD	GV
(%)	(%)	(%)	(%)
c	a		a
(/)	(/)	(/)	(/)
			FCS 20% MEM- α (N =)
(/)	(/)	(/)	(/)
			hHFF%100 (N =)
d	b		b
(/)	()	(/)	(/)
			MEM- α ,hHFF20% (N =)
P < /	P < /	P < /	P < /

GV:Germinal vesicle

GVBD: Germinal vesicle break down

MII:Metaphase 2

hHFF :Heated Human Follicular Fluid

a: (P < /)

b: (P < /)

c: (P < /)

d: (P < /)

MEM- α

hHFF 100%

hHFF 20%

GV

hHFF 100% % / MEM- α

% / hHFF 20% % /

(P < /)

(P < /)

GVBD

(Heat treatment) IVF

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Co Culture

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