

### Overview of IVF

\*

1978 (in vitro fertilization  
and embryo transfer, IVF-ET)

, ,

가 .

, ,

가 , 가

1992 Palmero 1

1)

6

1.5-2

가 가 , ,

가

500,000

100-

150 1 2

2).

1985

가

가 가

. 2004

: 2001 ,

53 14,667

가 가

(ovarian reserve)

7,740 (52.8%),

4,987 (34.0%)

1,646

(11.2%가 3).

가

(Table 1).

\*

(dish)

Table 1. (Dutch Society of Obstetrics and Gynecology)<sup>4)</sup>

가	2
가 ( )	2
3 ( )	
<1 × 10 <sup>6</sup>	
>1 × 10 <sup>6</sup> and <10 × 10 <sup>6</sup> :	2
>10 × 10 <sup>6</sup> :	
:	
2 ( )	
6 cycle	

가 2-3	가 가 .
surge가	(LH 200-400pg/ml
1. (Controlled ovarian hyper-stimulation)	가
(ovulation induction) ' (controlled ovarian hyperstimulation) ' (ovulation induction) '	(fecundability) E <sub>2</sub> 가 가
	가 E <sub>2</sub> 가 가 .
	E <sub>2</sub> 가 500- 1,500pg/ml , 200pg/ml
	.
(controlled ovarian hyper-stimulation)	3.
	가
가	probe 가
	16-17 gauge needle
2.	
	E <sub>2</sub>
	<sup>5)</sup> .
	17-18mm
1 ,	가
14mm	가
3	
14mm	E <sub>2</sub>
(740pmol/L) .	1 200pg/ml
10mm	가 .
E <sub>2</sub>	가 ,
가 E <sub>2</sub>	가 가 .
	가 E <sub>2</sub> ,
가	가

가

가

6).

4.

a.

7).

D-PBS

transfer media

8).

가

5.

가

4-10

가

5% CO<sub>2</sub>

37

4-6

48-80

가

가

12-30

가

가

30-50%

b.

10%

(capacitation)

3-4

5-6

swim-up

가

c.

1

5-10

가

가 . 16-18

cumu-

2

granulation

lus cell

(pronulei)

가

가

가

3

가

가

60%

24

가

syngamy

1990

3

24

. 2

1/4

가

chorionic gonadotropin)

40

40

11-13

2 -hCG 가 10mIU/mL

2004 Society for Assisted Reproductive Technology(SART) American Society for Reproductive Medicine(ASRM)

35 1-2 , 35

37 2-3 , 38 40 3-4 , 40

5

9). 가

knee- chest -

position

lithotomy position -

prostaglandin , , 가

가 - 가가

가

6. 10, 11),

가

가

가

10-12

(human 가

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21st Dec 2020. KCNA.kp (Kr) December 21, 2020.

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