

### 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 ( )	2
<math>1 \times 10^6</math>	
>math>1 \times 10^6</math> and <math>10 \times 10^6</math> :	2
>math>10 \times 10^6</math> :	
:	
2 ( )	
6 cycle	

가 2-3 가 가 . (LH surge)가 200-400pg/ml

1. (Controlled ovarian hyper-stimulation) (fecundability) 가 E2 가 가 (ovulation induction) ' 가 , E2 가 가 (controlled ovarian hyperstimulation) ' E2 가 가 . (ovulation induction) ' 가 가 500- 1,500pg/ml , 200pg/ml

3. (controlled ovarian hyper-stimulation) 가 probe 가 16-17 gauge needle

2. E2 5). 17-18mm 가 가 1 , 14mm 가 가 3 14mm , 1 200pg/ml 가 . 가가 . 10mm E2 가 가 E2 가 가 E2 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

2

11-13

-hCG 가 10mIU/mL

5-6

. 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.

가

가

가

10-12

10, 11).

(human 가

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