

<sup>1,4</sup> , <sup>2</sup> , <sup>2</sup> , <sup>3</sup> , <sup>1,4</sup> , <sup>2,4</sup> , <sup>2,4</sup>  
<sup>1</sup> , <sup>2</sup>  
<sup>3</sup> , <sup>4</sup>

## A Case of Pregnancy from Embryos following ICSI with Frozen-Thawed Testicular Sperms

<sup>1,4</sup>Woo-Sik Lee, <sup>2</sup>Jong-Sik Kim, <sup>2</sup>Hyun-Kyoo Kim, <sup>3</sup>Young-Chan Kim, <sup>1,4</sup>Chan Park  
<sup>2,4</sup>Jung-Jae Ko, <sup>2,4</sup>Kwang-Yul Cha

<sup>1</sup>*Infertility Medical Center, Pundang Cha General Hospital*

<sup>2</sup>*Infertility Medical Center, Cha General Hospital*

<sup>3</sup>*Department of Urology, Pundang Cha General Hospital*

<sup>4</sup>*College of Medicine, Pochon CHA University*

### = Abstract =

This case report describes the pregnancy following the transfer of embryos generated from intracytoplasmic sperm injection (ICSI) using frozen-thawed sperms obtained by testicular sperm extraction (TESE) in patient with hypoplasia of vas deferens.

**Key Words:** TESE, Frozen-thawed sperm, ICSI, Pregnancy

(microsurgical epididymal sperm aspiration, MESA) (testicular sperm extraction, TESE)  
(intracytoplasmic sperm injection, ICSI) ,  
(Temple-Smith et al., 1985; Van Steir-teghem et al., 1993; Silber et al., 1995).

가 가 TESE

(Devroey et al., 1995).

가 .

Vero cells

(W. Rohini Edirisinghe et al., 1996; , 1997).

MESA TESE - ICSI (Nagy Z, et al., 1995;  
 Carol A. Holden, Ph.D. et al., 1997)가 , - MESA  
 ( , 1994) MESA ICSI  
 가 ( ,1997).  
 TESE - ICSI

32

가 MESA

4

가

TESE

28

32 33

3

LH 3.4 mU/Ml, FSH 5.2 µU/

Ml, TSH 1.51 µU/Ml, Prolactin 16.3 ng/Ml

FSH HMG

10

25 mm, Estrodiol 가 2645.7 pg/Ml hCG 10,000 IU

36

hCG

TESE

3cm

0.5cm

50% human FF(Follicular Fluid)가 가

Bicarbonate Ham's F-10  
dish

Organ culture dish  
200

Scalpel blade

가 49%,

가 51%

ICSI

5% CO<sub>2</sub>가

37

가

12

가

15% FF가 가

HTF

3

0.1% Hyaluronidase

3

1 가 Metaphase

10

가 ICSI

가 가 53%

가

ICSI

1500rpm

5

pellet 0.3 ml

ICSI

16 20

5

2

3 1

4 8

13

-hCG

ICSI

50% human FF가 가 Bicarbonate Ham's F-10

가

가 78% 가

가

. 3

**Table 1.** Outcome of changes in motility during in-vitro culture of testicular sperm

( :  $\times 10^4/M\theta$ )

	Immotile sperm	Shaky sperm	Progressive sperm		
			Slow	Moderate	Rapid
1	71	57	11	7	0
2	150	79	29	14	47
3	171	43	36	32	82

GnRH agonist FSH/hMG  
hCG  
40 35  
50% human FF가 가 Bicarbonate Ham's F-10  
TEST yolk Organ culture dish 11  
가 Metaphase ICSI 5 가 10  
, 2 1 4 8  
13 -hCG 30 2

1985 Temple-Smith

(Silber et al 1996).

ICSI

ICSI

가 가

ICSI

가

( , 1997; Mohamed A. Aboulghar et al.,

1997).

(Congenital absence of vas deferense: CAVD)

가

MESA

TESE

가 가

가 가

TESE

ICSI (Devroey et al., 1994; Semra Kahraman et al., 1996; William Watkins et al., 1997).

TESE 1993 Silber et al Devroey et al

TESE

, 1994

Devroey et al

TESE

TESE MESA

가

Vero cells, Epididymal epithelium  
(W. Rohini Edirisinghe et al., 1996; 1997; A. Bongso and  
Trounson, 1996). Vero cells  
3.3 가 50,000/ml 7.7  
가 ICSI 75.0%  
61.5% ( 1997). human FF(Follicular Fluid) 가 3  
, FF  
가  
3 4 , 6 (W. Rohini Edirisinghe at al., 1996;V. Cholewczynski  
et al., 1996). 5 ,  
. 1997 Carol , 20%  
가 (Carol A Holden et al., 1997)  
20% 1  
가  
TESE  
TESE  
. TESE  
가 TESE  
MESA TESE , - MESA TESE 가  
, 가  
TESE ICSI

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