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An attitude survey of male infertile patients with artificial insemination by donor

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Objectives: In determining to perform non-spousal artificial insemination by donor (AID) to an infertile married couple, infertile couple requires not only the thorough understanding of the medical procedure but also scrutinizing the effect, which it will have on the relationship of the family including the baby to be born itself.

Materials and methods: 148 cases with non-curable male infertility were enrolled in this inquiry survey. The donor insemination questionnaire consists of 18-items which are assessing subjects' clinical properties, the background for AID practice, psychological traits, and long term influence.

Results: Of the survey, 49 cases were returned (33.1%) and 10 cases (20.4%) of these gave birth after AID practice. The mean age of husbands and wives of the 49 cases were 34.6 ± 4.2 and 32.1 ± 3.0 yers old, respectively and the duration of marriage was 5 years and 4 months. In about half of the cases, AID was first suggested by husband and the decision was made by only the couple. The major reason for the operation was to form a complete family. In the item of the psychological effects, two-third of the couples felt anxiety related to the procedure which are mostly about the possible congenital or acquired deformity of baby. The AID was positively suggested in overall by all of recipients. After giving birth to a child, most couples felt positive about their decision. As a child grows up, about half of the couples felt the child as their own and expected not to tell of the AID. In overall, about 50% of couples presented satisfaction with the procedure.

Conclusions: As the above results, various psychological impacts including anxiety about a child-to-be-born were accompanied to those who were recommended of AID. To overcome these problems, sufficient medical information and consultation about the course of selecting the donor and the whole procedures of AID should be provided beforehand.

Key Words: Artificial insemination, Donor, Male infertility

(artificial insemination by do-

nor, AID)

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	- 28	<i>52</i> -

Table. Clinical profile of	f 49 participants
Variables	Value
Age of total sample (years)	33.3±3.8 (28 - 46)
Men	34.6±4.2 (28 - 46)
Women	32.1±3.0 (28 - 43)
Age distribution of total sample (years)	
Men	
<30	4 (8.5%)
30-34	23 (48.9%)
35-39	13 (27.7%)
≥ 40	7 (14.9%)
Women	
<30	7 (15.2%)
30-34	33 (71.7%)
35-39	5 (10.9%)
≥ 40	1 (2.2%)
Duration of marriage (years)	5.4±3.5 (0.5 - 18.0)
No. of children (%)	
None	39 (79.6%)
One	7 (14.3%)
Two	3 (6.1%)
, 6 (13.6%), 7¦ 4 (9.1%), 2 (4.5%), AID	17 (38.6%), TV
1 (2.3%)	. , ,
ГV, ,	
フト 25 (56.8%) AID (n=47) フト 16 (34) フト 5 (10.6%)	26 (55.3%)
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(2.1%) 7 ⁺ AID	가
AID (n=47,) 7 41 (87.2%) 7 , 7 25 (53.2%), 18 20 (42.6%), 13 (27.7%), 11 (23.4%) .	
3. AID	
(n=46) 7 22 (47.8%) 7 11 (23.9%), 10 (21.7%), 3 (6.5%) . AID	
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4. AID	
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(n=15) 10 (66.7%) 7	

4 (26.7%),

1

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AID (11.1%). (n=17) 12 (70.6%) 5 (29.4%) (n=17,) 가 가 AID • 11 (64.7%), 8 (47.1%), 7 (41.2%), 3 가 AID 4 (23.5%), 3 (17.6%) ⁵, 1987 17 . (n=5,) 3 (60.0%) 7 AID 2 (40.0%), 7⁺1 (20.0%) 1 6 AID 1992 3 7t AID 7 1973 . (n=14,) AID .8 가 9 (64.3%) 가 5 4 (28.6%) AID가 3 (21.4%), 7[†] 2 (14.3%), • 1 (7.1%) . 1993 5 AID (n=26) 11 (42.3%), 7 , AID 가 8 (30.8%) 가 5 (19.2%), 10 7 1 (3.8%) • .3 가 5. AID 7 h (n=20) 가. AID 가 8 3 (15.0%), 1 (40.0%), , AID AID가 (5.0%) AID 가 가 , . (n=26) AID AID가 가 AID AID 7 (n=22) 7 AID 12 (54.5%), . 6 (27.3%), (13.6%), 1 (4.5%) 3 13.7% (14/102)

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79.1% (34/43) Manuel²² Klock ⁹ AID . . AID 가 AID AID 30 34 가 가 가 가 2/3 1 Nachtigall . Wright²³ AID 가 AID AID 40 2/3 7 35 (87.5%) 가 . Bolton ²⁴ AID AID , Klock ²¹ 가 10 . Karow 가 AID AID 21 가 AID 가 . Klock 가 AID AID , 가 가 가 23 AID 2/3 . Hoy 가 가 가 3.2% Marion 3.6% . 25 AID AID 가 2.25 가 2.3% 1.7% • 11-3 Virro²⁶ AID .14-6 21 . Klock AID 17,18 가 가 가 AID 19,20 AID . Nachtigall 1 AID . Maier ²¹ 27-9 AID 가 가 가 $2.2\%^{30}$ $7.2\%^{31}$ 가

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.³² Amuzu

31

. A

(54%) 7† AID Schover AID

AID

33

- . 70% AID
 - 가
 - AID Nachtigall ¹ 30% , Susan ²¹ 27%,
 - ^{9,31} 14-20% 7.6%
 - AID AID 34,35 Cohen 4
 - 11% 7¦ AID
- 13.6% 가 AID
 - AID가

AID

- AID가
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