

Table 2: Findings in 7 infertile men with Y chromosome microdeletion

	Patient Nos.						
	I.1	I.2	I.5	I.6	I.7	I.8	I.9
Left/right testis volume (ml)	9&14	12&14	14&15	13&15	9&8	13&14	8&7
sperm conc ($\times 10^6$ /ml)	0	0	0	0.9	0.6	1.5	0
Deleted AZF regions	a	a, b, c	c	c	c	c	c
FSH (U/ml)	29.5	31.3	10.3	11.6	9.1	12.7	14.3
Testicular histology	SCOS	SCOS	MA	ND	ND	ND	MA
Sperm testicular recovery	0	0	+	ND	ND	ND	+

ND = Not done; MA = Maturation Arrest; SCOS = Sertoli cell only syndrome

Table 3: Results of the various parameters of ejaculate sperm cycles in patients with AZFc region Y-deleted and Y-Intact chromosomes.

	AZFc region Y-deleted Chromosome	Y-Intact Chromosome	Significance
Total No. Patients	5	11	
Total No. Cycles	8	19	
Female Age (mean)	30.9 \pm 6.2	30.4 \pm 5.7	NS
Duration of infertility in years (mean)	4.9 \pm 3.1 (2–10)	4.4 \pm 2.7 (2–6)	
Peak E2 pg/dl (mean)	3613 \pm 1876	3785 \pm 1543	NS
Embryos Transferred (average))	2.7 (2–3)	2.8 (2–4)	NS
Sperm Normal Morphology (%)	2.3 \pm 0.5%	3.4 \pm 0.7	NS
Sperm Concentration ($\times 10^6$ /mL)	1.5 \pm 1.1	4.3 \pm 1.2	$p < 0.05$
Motility (%)	35 \pm 14.7	41 \pm 11.4	NS

Table 4: ICSI attempts in 8 cycles with Y-chromosome microdeletions and 19 cycles without microdeletions.

	Y-deleted Chromosome	Y-Intact Chromosome	Significance
No cycles with ejaculated sperm	6	19	NS
No. cycles with Testicular sperm	2	0	
Total No. oocytes	108	269	NS
Average No.oocytes (n)	13.5 \pm 2.7	12.8 \pm 3.5	NS
Fertilization rate(%)	60.1 \pm 17.9%	71.6 \pm 15.7%	NS
Cleavage rate (%)	87.6 \pm 14.5	85.1 \pm 9.4	NS
Embryo grade I & II on day 3/cleaved embryos	51.70%	59.60%	NS
≥ 6 cells embryos on day 3/cleaved embryos (%)	75.00%	72.9	NS
Blastocysts on day 5&6 /cleaved embryos (%)	50.00%	53.40%	NS
Canceled cycle(s)	1	0	NS
Average mixed embryo & blastocyst ET	2.7 \pm 0.5	2.8 \pm 0.9	NS
Pregnancy	3 (37.5%)	9 (42.9)	NS
Implantation rate	13.5	16.9	NS