

Supplementary Material

Elective single versus double embryo transfer: live birth outcome and patient acceptance in a prospective randomised trial

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Table S1. Characteristics of the patients and their cycles at allocation

	Groups	1d3		1d5		2d3		2d5		P value
	Female age (yr)	33 ± 2.9		33.6 ± 2.6		33.0 ± 2.4		32.7 ± 3.3		0.64
	Male age (yr)	35.1 ± 3.8		35.3 ± 3.3		34.4 ± 2.6		35.2 ± 3.8		0.76
	BMI (Kg/m ²)	23.1 ± 3.8		23.8 ± 4.3		23.7 ± 4.1		24.1 ± 4.0		0.70
	Duration of infertility (yr)	3.2 ± 2.3		2.6 ± 2.2		2.9 ± 2.1		3.2 ± 1.9		0.53
		<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	
Cause of infertility	Idiopathic	8	16	7	15	7	14	6	13	0.56
	Male	32	64	29	60	26	53	30	62	
	Female	2	4	1	2	5	10	6	12	
	Both male and female	8	16	11	23	11	23	6	13	
		<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	
Causes of female infertility	Normal	41	82	7	7	4	9	7	7	0.18
	Tubal	1	2	2	4				0	
	Endometriosis	4	8	1	2	5	0	0	0	
	PCOS	4	8	8	17	8	17	6	13	
	Duration of stimulation (days)	10.9 ± 1.7		10.0 ± 1.4		10.4 ± 1.6		10.2 ± 1.6		0.12
	Total gonadotropin dose (IU)	2229 ± 545		1975 ± 617		2023 ± 605		2050 ± 609		0.34
		<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	
Fertilisation procedure	<i>In vitro</i> fertilisation	0	0	0	0	2	4	0	0	0.39
	ICSI insertion	29	58	26	54	27	55	26	54	
	Both procedures	21	42	22	46	20	41	22	46	
	N° of oocytes retrieved	16.7 ± 5.8		15.7 ± 5.2		17.3 ± 6.4		16.2 ± 5.9		0.59
	N° of zygotes	11.0 ± 3.7		10.9 ± 4.0		12.3 ± 5.0		11.1 ± 4.4		0.32
Quality of embryos	Top (A)	190	34	189	36	206	34	201	37	0.15
	Good (B)	63	12	42	8	47	8	58	11	
	Fair (C)	145	26	140	27	158	26	116	22	
	Poor (D)	152	28	154	29	196	32	159	30	

Note: Values are means ± s.d. (standard deviation). BMI: body mass index. PCOS: polycystic ovarian syndrome.

ICSI: intracytoplasmic sperm insertion. For embryo quality scoring see Materials and methods section.

Table S2. ITT analysis of cycle outcome

Fresh cycle outcomes	Allocated group										
	1d3 (n = 50)		1d5 (n = 50)		2d3 (n = 49)		2d5 (n = 50)		p4	pN	pD
	n	(%)	n	(%)	n	(%)	n	(%)			
Pregnancy rate ^a	29	(58)	28	(58)	36	(74)	40	(83)	0.02	< 0.01	0.44
Miscarriage rate ^b	6	(21)	7	(25)	2	(6)	6	(15)	0.16	0.06	0.28
Live birth delivery rate	23	(46)	21	(44)	33	(67)	34	(71)	<0.01	<0.01	0.92
Multiple birth rate	7	(30)	4	(19)	13	(39)	7	(21)	0.27	0.58	0.07
Implantation rate	37	(52)	31	(50)	52	(54)	58	(62)	0.46	0.23	0.49
Lifborn rate per embryo	30	(42)	25	(40)	46	(48)	41	(44)	0.79	0.43	0.56

Note: Values are number (percentage). *P* values are defined in Table II.

^a Clinical pregnancy rate.

^b First and second trimester miscarriage rate.

Table S3. ITT analysis of cumulative cycle outcome (fresh plus cryo-ETs)

	Allocated group										
	1d3 (n = 50)		1d5 (n = 50)		2d3 (n = 49)		2d5 (n = 50)		p4	pN	pD
	n	(%)	n	(%)	n	(%)	n	(%)			
Cumulative live birth rate	32	(64)	23	(48)	36	(74)	35	(73)	0.03	0.01	0.23
Cumulative multiple live birth delivery rate	10	(31)	4	(17)	14	(39)	7	(20)	0.20	0.61	0.04

Note: Values are number (percentage). *P* values are defined in Table II

Table S4. Odds-ratios of main outcomes comparing eSET vs eDET on day 3 or day 5

	1d3 vs 2d3^a	P value	1d5 vs 2d5^b	P value
Clinical pregnancy rate	1.4 [0.9–1.9]	0.07	1.4 [1.0–1.9]	0.02
Live birth delivery rate	1.8 [1.1–3.0]	<0.01	1.4 [0.9–2.1]	0.1
Multiple birth rate	n/a	<0.01	n/a	<0.01
Cumulative live birth rate	1.3 [0.9–1.9]	0.07	1.3 [0.9–1.9]	0.19
Cumulative multiple live birth delivery rate	2.2 [0.8–6.6]	0.10	n/a	<0.01

Notes:

^a OR and IC95% of 2d3 vs 1d3

^b OR and IC95% of 2d5 vs 1d5

n/a = not applicable (there are no cases of multiple birth in 1d5)