

**Table S1.** Detailed characteristics of the cycles.

	Controls	Endometriosis
Total number of cycles	851	429
Cycles without mature/fertilized oocytes*	133 (15.6)	61 (14.2)
Cycles without cleavage of fertilized oocytes*	15 (1.8)	10 (2.3)
Cycles with cleavage stage embryos	703 (82.6)	358 (83.4)
Cleavage stage embryos	2483	1314
Cycles with day 3 transfer*	396 (46.5)	192 (44.8)
Cycles with day 3 freeze-all*	31 (3.6)	24 (5.6)
Cycles without transferred or frozen cleavage stage embryos	276 (32.4)	142 (33.1)
Blastocyst stage embryos	770	382
Cycles with day 5 transfer*	120 (14.1)	61 (14.2)
Cycles with blastocyst stage freeze-all*	114 (13.4)	58 (13.5)
Cycles without blastocyst formation*	42 (4.9)	22 (5.1)

\*Data were summarized in a contingency table with 2 groups and 7 categories, *p* value for chi square test equal to 0.73.

**Table S2.** Frozen embryo transfer details and ongoing pregnancy rate.

	Controls <i>n</i> = 134	Endometriosis <i>n</i> = 75	<i>p</i> -Value
Number of transferred embryos, mean ± SD	1.2 ± 0.5	1.3 ± 0.5	0.53
Day 3 transfers	1.3 ± 0.5	1.5 ± 0.6	0.36
Day 5 transfers	1.2 ± 0.4	1.2 ± 0.4	0.88
Number of transfers (%)			
Day 3 transfers	31 (23.1)	17 (22.7)	0.94
Day 5 transfers	103 (76.9)	58 (77.3)	
Ongoing pregnancy rate (95% CI)			
All transfers	29.9 (22.8–38.1)	21.3 (13.6–31.9)	0.24
Adjusted Odds Ratios for ongoing pregnancy rate, (95% CI)			
All transfers*	-	0.44 (0.20–0.93)	0.03

\*Adjusted for age, BMI, semen parameters, percentage of mature oocytes, day of the transfer and number of transferred embryos.

**Table S3.** Causes of infertility in the study population.

	Controls <i>n</i> = 851	Endometriosis <i>n</i> = 429
Endometriosis	0 (0.0)	429 (100)
Idiopathic	268 (31.5)	0 (0.0)
Poor ovarian reserve*	324 (38.1)	0(0.0)
Male Infertility**	281 (33.0)	88 (20.5)
Tubal factor	69 (8.1)	28 (6.5)
PGT-M	20 (2.4)	2 (0.5)

\* Defined accordingly to Bologna criteria [Ferraretti et al., 2011]. \*\* Total motile sperm count < 5 x 10<sup>6</sup> spermatozoa. PGT-M: Preimplantation genetic testing for monogenic/single gene diseases.



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