

“Couples with mild male factor infertility and at least 3 failed previous IVF attempts may benefit from laparoscopic investigation regarding assisted reproduction outcome ”

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Supplementary Tables

Supplementary Table 1: Description of different pathologies diagnosed and treated during laparoscopic surgery

LAPAROSCOPIC FINDINGS	CLASSIFICATION OF ENDOMETRIOSIS	N (%)	DIAGNOSIS FOLLOWING LAPAROSCOPIC INVESTIGATION
Normal pelvic anatomy without endometriosis or adhesions or any other pathology	No pathologies	36	Male Factor Only
Superficial endometriotic spots (1-3cm) on peritoneum	Stage I	9	Endometriosis (N=43)
Superficial endometriotic spots (1-3cm) on peritoneum and superficial endometriotic spots (<1cm) and filmy adhesions on right ovary	Stage I	5	
Deep endometriotic spots (>3 cm) on peritoneum	Stage II	11	
Deep endometriotic spots (>3cm) on peritoneum and superficial endometriotic spots (<1cm)	Stage II	8	
Deep endometriotic spots (>3cm) on peritoneum and superficial endometriotic spots (<1cm) and filmy adhesions on right ovary and superficial endometriotic spots (<1cm) on left ovary	Stage II	6	
Deep endometriotic spots (>3 cm) on peritoneum and deep endometriotic spots (1–3 cm) on left ovary and partial cul-de-sac obliteration	Stage III	3	
Superficial endometriotic spots (>3cm) on peritoneum, filmy adhesions on right fallopian tube/right ovary, deep endometriotic spots (<1 cm) dense adhesions on left ovary and dense adhesions on left tube	Stage III	1	
Periadnixa and pelvic adhesions without endometriosis	Only Adhesions	22	Adhesions

Supplementary Table 2: Descriptive statistics of the endometriosis group

	Pregnant (N=17)	Not-Pregnant (N=26)
Age	36.76±0.94	36.35±1.41
Years of Infertility	7.00±0.97	7.35±0.87
Previous IVF attempts	4.76±0.73	4.27±0.81
FSH (U/ml)	4.06±0.61	4.44±0.64
LH (U/ml)	3.65±0.87	3.85±0.86
Estradiol (pg/ml)	2937.59±85.84	2856.15±177.25
Progesterone (ng/ml)	11.96±1.49	13.09±1.82
CA-125 (U/ml)	18.33±2.77	18.21±2.81
Oocytes Retrieved	10.88±2.3	11.58±2.08
MII oocytes	9.76±2.26	9.58±2.19
Fertilized oocytes	8.71±1.81	8.46±1.82

Blastocysts	5.12±1.02	4.92±1.11
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Supplementary Table 3: Descriptive statistics of the pelvic adhesions group

	Pregnant (N=7)	Not-Pregnant (N=15)
Age	36.00±1.69	36.00±1.59
Years of Infertility	7.43±0.49	7.00±0.82
Previous IVF attempts	4.00±0.53	4.40±0.95
FSH (U/ml)	4.11±0.60	4.56±0.72
LH (U/ml)	4.05±0.73	3.57±1.02
Estradiol (pg/ml)	2844.00±130.52	2823.8±145.93
Progesterone (ng/ml)	12.75±1.40	12.37±2.28
CA-125 (U/ml)	17.61±3.66	18.22±2.27
Oocytes Retrieved	10.14±1.12	10.60±1.96
MII oocytes	9.43±1.18	9.73±1.77
Fertilized oocytes	8.29±1.03	8.47±1.31
Blastocysts	4.57±0.49	4.93±0.93

Supplementary Table 4: Descriptive statistics of the male factor infertility only group

	Pregnant (N=6)	Not-Pregnant (N=30)
Age	37.00±1.29	36.07±1.39
Years of Infertility	7.17±1.34	7.50±0.89
Previous IVF attempts	4.17±0.37	4.20±0.6
FSH (U/ml)	4.58±0.88	4.20±0.74
LH (U/ml)	4.03±0.79	3.72±0.82
Estradiol (pg/ml)	2840.17±78.72	2830.03±143.03
Progesterone (ng/ml)	13.29±1.81	13.34±1.17
CA-125 (U/ml)	16.11±3.99	17.94±3.00
Oocytes Retrieved	10.67±1.97	10.43±1.50
MII oocytes	8.50±0.96	8.93±1.34
Fertilized oocytes	7.50±0.96	7.67±1.11
Blastocysts	4.33±0.75	4.53±0.76