

Table 1. Summary of clinical information.

Items	EMS	Control	p
Number	25	24	
Age	32.44±6.46	32.83±4.72	0.8
BMI	21.31±2.55	21.81±2.83	0.71
VAS score	3.27±0.91	1.54±1.23	p<0.001
Diameter of cyst	7.04±2.2	NA	
Gravidity number	1±1.38	1.33±0.97	0.4
Delivery number	0.67±0.85	0.5±0.69	0.58

Notes: BMI: body mass index; CA125: carbohydrate antigen 125; EMS: endometriosis; VAS: visual analogue scale

There were no significant differences between control patients to EMS patients with regard to age, BMI, number of pregnancies, and parity, but the mean VAS score of EMS patients was significantly higher than control patients ($p<0.001$).

Table 2. Sequences of primers for Q-PCR

miRNAName	Forward primer	Reverse primer
U6	GCTTCGGCAGCACATATACTAAAAT	CGCTTCACGAATTTGCGTGTCAT
miR-125a-5p	TCCCTGAGACCCTTTAACC	CAGTGCGTGTCGTGGAGT
miR-125b-5p	TCCCTGAGACCCTAAC	CAGTGCGTGTCGTGGAGT
miR-328-3p	CTGGCCCTCTCTGC	CAGTGCGTGTCGTGGAGT
miR-30e-3p	CTTTCAGTCGGATGTTT	CAGTGCGTGTCGTGGAGT
miR-3141	GAGGGCGGGTGGAGG	CAGTGCGTGTCGTGGAGT
miR-142-5p	ACACTCCAGCTGCCCATAAAGTAGATAGCA	CTCAACTGGTGTCGTGGA
miR-1246	GGTAGTGAGATATGAG	CGAGGAAGAAGACGGAAGAAT
miR-223-3p	ACACTCCAGCTGCGTGTCAGAATGTCAGATAC	CTCAACTGATGTCGTGGA
GAPDH	TGACTACAACAGGCACACCCA	GACCCTGTTGCTGTAGGCAT
VEGF	AGCGCAGCAGATAGGAGAGT	CGGCAGTCAGTGTTATTGCA
PI3K	CCCAGGGAAATTCTGGGCTC	TGTATTCAAGTTCAATTGCAGAAGG
AKT	CGAGAAGAAGCTCAGCCCAC	TCCACACTAGCCATGCTGTC

Table 3 : Sequences of miR-125b-5p NC, inhibitor and mimic

RNAi name	Sequences
miR-125b-5p-NC-sense	UUCUUCGAACGUGUCACGUTT
miR-125b-5p-NC-antisense	ACGUGACACGUUCGGAGAATT
miR-125b-5p inhibitor-NC	CAGUACUUUUGUGUAGUACAA
miR-125b-5p inhibitor-S	UCACAAGUUAGGGUCUCAGGGA
miR-125b-5p mimics-S	UCCCUGAGACCCUAAACUUGUGA
miR-125b-5p mimics-AS	ACAAGUUAGGGUCUCAGGGAUU

Table 4. The top 4 differentially expressed miRNAs between control and CF group

Up-regulated miRNA				Down-regulated miRNA		
Number	miRNA	log2 FC	<i>p</i>	miRNA	Log 2FC	<i>p</i>
1	miR-3141	8.55	<0.001	miR-125b-5p	4.65	0.013
2	miR-223-3p	8.42	<0.001	miR-328-3p	3.81	0.05
3	miR-142-5p	8.13	<0.001	miR-125a-5p	3.18	0.024
4	miR-1246	8.04	<0.001	miR-30e-3p	2.77	0.051