

Figure S1 A transverse section view was obtained at the beginning of 4D-HyCoSy at the level where both uterine horns were displayed. 4D-HyCoSy, 4-dimensional hysterosalpingo-contrast sonography.

Table S1 Classification of tubal patency based on morphologic findings in 4D-HyCoSy

Anatomical site	Patent	Partially obstructed	Obstructed
Fallopian tube	Uniform tubal diameter with a large amount of contrast exiting from the distal end	Twisty or only partly visible fallopian tube with a small amount of contrast exiting from the distal end	No contrast filled in the fallopian tube and no contrast exiting from the distal end
Periovarian	Ring-like enhancement around the ovary	Semiannular enhancement around the ovary	No enhancement around the ovary
Pelvic cavity	Diffusion in a large range	Diffusion in a small range	No diffusion
Reflux of contrast agent	No reflux	No or a small amount of reflux to the myometrium or pelvic venous plexus	A large amount of reflux to the myometrium or pelvic venous plexus

4D-HyCoSy, 4-dimensional hysterosalpingo-contrast sonography.

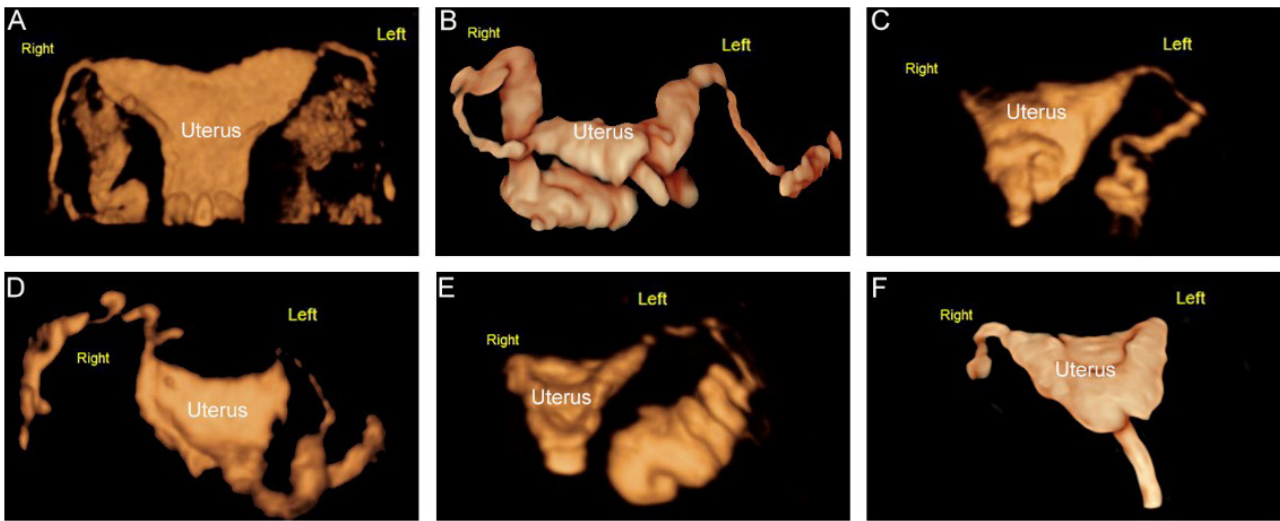


Figure S2 Representative images of fallopian tubes with different patencies in 4D-HyCosy. (A) Bilateral fallopian tubes were patent (patent/patent). (B) The unilateral fallopian tube was patent while the other was partially obstructed (patent/partially obstructed). (C) The unilateral fallopian tube was obstructed while the other was patent (patent/obstructed). (D) The bilateral fallopian tubes were partially obstructed (partially obstructed/partially obstructed). (E) The unilateral fallopian tube was obstructed while the other was partially obstructed (partially obstructed/obstructed). (F) The bilateral fallopian tubes were obstructed (obstructed/obstructed). 4D-HyCoSy, 4-dimensional hysterosalpingo-contrast sonography.

Table S2 Baseline characteristics of the six groups

Characteristics	Fallopian tube patency groups						P value
	Group A	Group B	Group C	Group D	Group E	Group F	
Number (%)	80 (29.8)	58 (21.6)	15 (5.6)	60 (22.4)	23 (8.6)	32 (11.9)	
Ethnicity (%)	Asian (100)	Asian (100)	Asian (100)	Asian (100)	Asian (100)	Asian (100)	>0.99
Age (mean ± SD, years)	30.0±4.38	28.8±3.47	30.4±4.03	30.20±4.10	29.39±4.92	30.22±3.71	0.37
Endometrial thickness (mean ± SD, cm)	0.25±0.11	0.22±0.11	0.24±0.08	0.24±0.08	0.26±0.12	0.28±0.09	0.13
Left ovarian volume (mean ± SD, cm ³)	17.87±7.54	13.58±6.57	11.92±5.05	18.67±23.83	17.45±10.67	16.38±8.77	0.56
Right ovarian volume (mean ± SD, cm ³)	17.04±11.48	17.59±13.58	16.03±13.42	17.46±9.64	16.66±6.69	15.17±8.00	0.93

Group A, bilaterally patent (patent/patent); Group B, unilaterally patent group with the other partially obstructed (patent/partially obstructed); Group C, bilaterally partially obstructed (partially obstructed/partially obstructed); Group D, unilaterally obstructed with the other patent (patent/obstructed); Group E, unilaterally obstructed with the other partially obstructed (partially obstructed/obstructed); Group F, bilaterally obstructed (obstructed/obstructed). SD, standard deviation.