

**Reproductive Medicine and Immunology
Rosalind Franklin University Clinic**

830 West End Ct, Suite 400, Vernon Hills, IL, 60061 Phone: 847-247-6900 Fax: 847-247-6951

Gynecologic Ultrasound Report

Name Song, Julee
Age 43 **ID** 11585
History G 1 P 0 Ab 1 IVFf 1
Infertility/IVF failure
Previous study N/A
Indications

Scan Date 10/9/2025
LMP 9/28/2025
Cycle Day 12
Cycle Type ☒ Natural ☐ FET
☐ Stimulated

Infertility/IVF failure, endometriosis.

Uterus 8.0 x 4.2 x 3.9 cm
Size ☒ Normal ☐ Enlarged ☐ Small
Uterine volume 69 cc
Position ☒ Anteverted ☐ Retroverted
☒ Anteфлекed ☐ Retroflexed
☐ Midline ☒ Deviated: L/R
Texture ☐ Homogeneous ☒ Inhomogeneous

Mass/ Myoma

Diffuse heterogeneous coarse myometrium, hyperechoic islands. No focal mass.

Endometrium 10.3 mm
☐ Mass ☐ Regular/homogeneous ☒ Irregular
Trilaminar pattern. Hyperechoic material within endometrium cavity.

Cervix ☒ Nabothian Cyst ☐ Normal appearance**Cul-de-sac** ☒ Fluid ☐ Mass**Right Ovary**

Size 2.6 x 2.0 x 1.9 cm **Volume** 5.3 cc
Follicles 1-2 subcentimeter follicles/cysts.

Adnexa

Left Ovary

Size 3.0 x 1.5 x 1.4 cm **Volume** 3.2 cc
Follicle (4-5) subcentimeter cysts/follicles,

Adnexa 17 mm cyst with irregular wall/internal echoes.**UTERINE BIOPHYSICAL PROFILE**

3 Endometrial thickness	2 Uterine artery Doppler
0 <7 mm	0 >0.8
2 7-9 mm	1 0.75-0.8
3 10-14 mm	2 0.61-0.74
1 >14 mm	3 <0.6
3 Endometrial layering	0 Zone 3 blood flow
0 none	0 absent
1 hazy 5-line	2 sparse
3 distinct 5-line	5 multifocal
3 Myometrial contractions	2 Myometrial blood flow
0 <3 contractions in 2 mins	0 absent
3 >3 contractions in 2 mins	2 present
1 Myometrial Echogenicity	
1 coarse/inhomogeneous	
2 homogeneous	

Total Score 14 /21

Score Reference Level:

21 Associated with conception in all cases
17-20 Associated with conception in 77% of cases
14-16 Associated with conception in 60%
<14 Not associated with conception

SONG,JULEE 05/18/82 #177757 US, PE



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Technology

Real-time assessment with endovaginal approach of the cervix, uterus, ovaries was performed at the lowest possible energy output level utilizing B-Mode/grayscale imaging and Doppler spectral analysis and color flow. Duplex color and spectral Doppler waveform images were obtained to evaluate uterine and ovarian blood flow.

All Doppler studies of the uterine and ovarian vessels were obtained with real-time color Doppler and Pulsed wave spectral waveforms.

Analysis of all indices was obtained automatically by the algorithmic programs of ultrasound machines.

Three-dimensional ultrasound assessment of the non-pregnant uterus/ovary was performed with the endocavitary 3D-4D probe and real-time analysis of the images obtained as well by evaluation of the multiplanar views; pathology was evaluated at different planes and recorded as still images.

Comments: A bilateral scan was performed. Both color flow Doppler and spectral analyses are noted, and there is a characterization of blood flow in the findings.

Duplex Scan/ Uterus

Uterine Radial Artery RI

0.68

Duplex color and spectral Doppler waveform images were obtained to evaluate uterine arterial inflow and venous outflow. Spectral and color flow imaging of the uterus shows a normal arterial and venous waveforms.

Additional imaging demonstrates a blood flow pattern with a borderline resistivity index (RI) in the uterine radial arteries.

Duplex Scan/ Ovary

RO Artery RI

0.5

LO Artery RI

0.53

Duplex color and spectral Doppler waveform images were obtained to evaluate the ovarian arterial inflow and venous outflow.

Spectral and color flow imaging of the right and left ovaries shows normal arterial and venous waveforms.

Additional imaging demonstrates a blood flow pattern with a normal resistivity index (RI) in the right and a normal (RI) in the left ovarian artery.

Impressions

Anteverted heterogeneous uterus with multiple sonographic features suggestive of adenomyosis. No focal mass. Cervical length is 3.0 cm.

Trilaminar pattern endometrium is 10.3 mm. Endometrial polyp can be suspected based on presence of hyperechoic material within endometrium cavity.

Uterine radial artery resistance index is borderline. Ovarian artery resistance indices are normal. Venous blood flow is present.

Unremarkable right ovary. Left ovary contains 17 mm corpus luteum. No adnexal mass.

Small collection of free fluid is seen in posterior cul-de-sac.

Uterine biophysical profile score 14/21.

Follow-up ultrasound examination is recommended as needed.

Lilia Torishnyak

Sonographer

Joanne Kwak-Kim, MD
Thanh Vinh Luu, DO

Date

10/9/25

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