

	<b>OB&lt;14 Weeks</b>	
	Reviewed:	Date: 1/4/2022
	Revised:	Date: 1/4/2022

## OB<14 Weeks

### PURPOSE

Practice parameter for the performance of obstetrical less than 14 weeks (first trimester) diagnostic ultrasound exam.

### SUPPORTIVE DATA

- Obtain a written, verbal, or electronic order from provider
- Verify that written orders are scanned into Epic
- Previous relevant imaging procedures

### INDICATIONS

Indication for first trimester ultrasound examination include but are not limited to:

- Confirmation of the presence of an intrauterine pregnancy
- Evaluation of a suspected ectopic pregnancy
- Defining the cause of vaginal bleeding
- Evaluation of pelvic pain
- Estimation of gestational age
- Diagnosis or evaluation of multiple gestations
- Confirmation of cardiac activity
- Assessing for certain fetal anomalies, such as anencephaly, in high risk patients
- Evaluation of maternal pelvic masses and/or uterine abnormalities
- Evaluation of suspected hydatidiform mole

Limited exam may be performed to evaluate interval growth, evaluate cervix and assess the presence of cardiac activity.

### CONTRAINDICATIONS

- There are no absolute contraindications.

### EQUIPMENT LIST

- Real-time ultrasound scanner with transducer of appropriate frequency

- Gel
- Towels
- Patient gown (if applicable)

## **SAFETY**

- Universal precautions for bodily fluids should be observed as per hospital protocol.
- All ultrasound carts are annually checked and are up to date with all state and manufacturer guidelines.
- Exams will be prioritized according to ordering status (STAT, ASAP or Routine)

## **PATIENT PREPARATION**

- Drink 12-20 ounces of clear, non-carbonated liquid 45 minutes prior to exam to achieve a full bladder
- Do not use bathroom until instructed

## **PROCEDURE**

1. Check provider's orders for reason for exam and any comments.
2. Review report of patient's most recent ultrasound, relevant imaging or relevant labs if applicable.
3. Start exam in Epic
4. Verify patient by 2 patient identifiers (name, DOB, wristband).
5. Process should be explained to patient.
6. Have patient change into gown if appropriate
7. Perform imaging procedure
8. End exam in Epic

## **IMAGING PROCEDURE**

A normal First Trimester OB protocol will aim to include the following views:

1. SAG ML Uterus
2. Cervix w/ Internal OS
3. TRANS ML Uterus
4. SAG Placenta if visualized
5. TRANS Placenta if visualized
6. MGSD in three dimensions
7. SAG CRL 3 separate images
8. Yolk sac w/ measurement-only if no fetal pole
9. Document amnion if possible

10. Image OB worksheet with MGSD then delete MGSD measurements
11. Image OB worksheet with CRL only for true EDC
12. SAG RT Ovary
13. SAG RT Ovary w/ Measurement
14. TRANS RT Ovary
15. TRANS RT Ovary w/ Measurement
16. SAG LT Ovary
17. SAG LT Ovary w/ Measurement
18. TRANS LT Ovary
19. TRANS LT Ovary w/ Measurement
20. Document pathological findings with all appropriate additional views to include color doppler and/or pulsed wave doppler

Additional endovaginal scanning may be warranted to better visualize fetus and maternal ovaries.

## DOCUMENTATION

1. Written, verbal, or electronic order from provider
2. The worksheet and images need to be scanned into PACS under appropriate exam and put online.
3. Ultrasound images should be labeled with anatomy imaged and orientation (SAG or TRANS)
4. All images are submitted with above documentation for dictation and stored in PACS
5. For all STAT, ER and Urgent Care ultrasound exams, call radiologist for preliminary report to give to ordering provider
6. If it is between 2200 - 0700, submit exam along with proper documentation to teleradiology

## REFERENCE

- Approved by Pharmacy and Therapeutics Board on 08/14/2020
- Approved by Medical Executive Team on 09/11/2020
- Approved by Medical Director, Dr. Muneer Desai, on 08/20/2020
- Approved by Radiology Protocol Committee on 3/9/2020
- [ACR Practice Parameters Resolution 27 \(2018\)](#)

## References

Reference Type	Title	Notes
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**Documents referenced by this document**

Referenced Documents [ACR Practice Parameters Resolution 27 \(2018\)](#)