

AUSTIN RADIOLOGICAL ASSOCIATION  
ULTRASOUND PROTOCOLS

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**Procedure Name:                      Pelvic**

Updated: 12/4/2024

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**Indications:**

May include but not limited to pelvic pain, questionable mass, ovarian torsion, ovarian and/or uterine pathology, irregular bleeding, and localization of intrauterine device, follow up of prior pelvic ultrasound, or for any other valid medical reason.

**General Description:**

This is a survey of the female pelvis which includes examination of the uterus, right and left ovaries, and adnexal regions. To further delineate pelvic structures and or pathology, a transvaginal pelvic ultrasound may be required.

**Patient Preparation:**

The patient's urinary bladder must be adequately distended for the exam. This typically requires drinking at least 32oz. of water 1 hour prior to the exam.

**Equipment Selection and Settings:**

For transabdominal exam, a curvilinear 5.0MHz transducer will be used for most patients. For transvaginal exam endovaginal transducer will be used. The sonographer should use the preprogrammed setting for the appropriate body part and adjust gain, depth, and focal zone settings to optimize images. Fill out any applicable impression or worksheet upon completion of exam.

**Imaging Sequence:**

The following image sequence is for a normal exam. Utilize color Doppler as needed to aid in the determination of any abnormality and to demonstrate blood flow. Include additional images of pathology to demonstrate dimensions in three planes, texture, size, shape and relationship to adjacent anatomy. If there are multiple uterine fibroids or ovarian cysts, label these 1, 2, 3 etc. to correspond with worksheet labels.

1. Image patient data (include LMP and pregnancy history)

**UTERUS**

2. LONG uterus length and AP measurements
3. LONG endometrium with measurement
4. TRANS uterus width measurement
5. LONG uterus mid to right lateral (2 or more images)
6. LONG uterus mid to left lateral (2 or more images)
7. TRANS cervix to fundus (multi images will include vaginal canal and cervix)

**RIGHT ADNEXA**

8. LONG right ovary length measurement

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9. TRANS right ovary AP and width measurement (obtain ovarian volume)
10. LONG RT ovary (multiple images through the ovary)
11. TRANS RT ovary (multiple images through the ovary)
12. LONG RT adnexa (as needed)
13. TRANS RT adnexa (as needed)

**LEFT ADNEXA**

14. LONG left ovary length measurement
15. TRANS left ovary AP and width measurement (obtain ovarian volume)
16. LONG left ovary (multiple images through the ovary)
17. TRANS left ovary (multiple images through the ovary)
18. LONG left adnexa (as needed)
19. TRANS left adnexa (as needed)

**TRANSVAGINAL IMAGING**

A new transvaginal probe cover must be used for each exam. Give appropriate images to include pelvic structures and pathology visualized. Follow same protocol for above, transabdominal imaging, including measurement of uterus in long, AP and trans. After the exam is complete, the transvaginal transducer must be sterilized using the Trophon and documented in the log.

- Ovarian volumes for all exams must be calculated and reported on the worksheet.
- Number of follicles and location of follicles must be included on the worksheet.
- Color Doppler evaluation of the endometrium required when retained products of conception is in question (i.e. postpartum bleeding, abortion).