

MR Pelvis – Acute Eval Pregnancy (Appy/Other)

MR Abd + Pel Without

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Contact: (866) 761-4200, Option 1

NOTE: Call radiologist before starting patient

Indications: This is for use with **PREGNANT** patients only – generally, rule out appendicitis but can be used for other acute evaluations as appropriate (i.e. hydronephrosis, cholecystitis/choledocholithiasis)
In non-pregnant patients, refer to MR Acute Abd + Pel Survey (Non-Pregnant)

Oral contrast: None.

Coil: Phase array body coil.

Scanner: 1.5T

Coverage: Diaphragm to the symphysis pubis. Depending on indication, may be more targeted evaluation of the abdomen or pelvis (to be discussed with radiologist)

Intravenous contrast: None.

****IV contrast contraindicated in pregnancy*****

Note: No special planes required – orthogonal (to the magnet) planes are sufficient.

Sequences:

1. 3 plane localizer with breath hold

2. Coronal T2 Ultra fast SE (HASTE, SSFSE, FASE)

- a. Breath hold, concatenation/multi-breath hold is less desirable than single breath hold
- b. FOV: Large FOV (350 mm)
 - i. Mid liver to the symphysis pubis
 - ii. Complete front to back coverage (skin to skin)
- c. Goal parameters
 - i. Slice thickness 3 mm
 - ii. Gap 10% gap

3. Axial T2 Ultra fast SE (HASTE, SSFSE, FASE)

- a. FOV: Mid liver to the symphysis pubis

- i. Will likely need 2 separate stacks
- b. Goal parameters
 - i. Slice thickness 3-5 mm
 - ii. In plane acquired resolution <1 mm

4. Axial T2 Ultra fast SE (HASTE, SSFSE, FASE) with fat suppression

- a. FOV: Mid liver to the symphysis pubis
 - i. Will likely need 2 separate stacks
- b. Goal parameters
 - i. Slice thickness 4-4.5 mm
 - ii. In plane acquired resolution <1 mm

5. Sagittal T2 Ultra fast SE (HASTE, SSFSE, FASE)

- a. FOV: Midline to right lateral skin line (for appendicitis – FOV may vary if other indication)
- b. Goal parameters
 - i. Slice thickness 3-4 mm
 - ii. In plane acquired resolution <1 mm

6. Axial T1 TSE with fat saturation

- a. FOV: include the entire uterus and area of interest
- b. Goal parameters
 - i. Slice thickness 3-4 mm

****CHECK IMAGES WITH BODY RAD to ensure appendix (or other area of interest) is included in the FOV and see if additional sequences necessary****

OPTIONAL Sequences

7. Small FOV T2 Ultra fast SE (HASTE, SSFSE, FASE)

- a. Plane and FOV to be determined by radiologist as needed