

TRA-MINW

Pregnant – Acute Abdomen/Pelvis **MR Abd + Pel wWithout**

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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
In non-pregnant patients, refer to MR Acute Abd + Pel Survey (Non-Pregnant)

Oral contrast: None.

Coil: Phase array body coil.

Coverage: Lower third of liver to the symphysis pubis.

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. Lower third of the 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 Ultra fast SE (HASTE, SSFSE, FASE)

- a. FOV: Lower third of the liver to the symphysis pubis
 - i. Will likely need 2 separate stacks
- b. Goal parameters
 - i. Slice thickness 3-4 mm
 - ii. In plane acquired resolution <1 mm
 - iii. Number of averages ≥ 2

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

- c. FOV: Lower third of the liver to the symphysis pubis
 - i. Will likely need 2 separate stacks
- d. Goal parameters
 - i. Slice thickness 4-4.5 mm
 - ii. In plane acquired resolution <1 mm
 - iii. Number of averages ≥ 2

****CHECK IMAGES WITH BODY RAD to ensure appendix is included in the FOV and see if additional sequences necessary****

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

- a. FOV: Lower third of liver to symphysis pubis
 - i. First acquisition: cover right side of the abdomen, from just left of midline to the right skin
 - 1. May need second acquisition after speaking with radiologist
- b. Goal parameters
 - i. Slice thickness 3-4 mm
 - ii. In plane acquired resolution <1 mm
 - iii. Number of averages ≥ 2