



MRI Anal Fistula

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Standard uses: For the assessment of the activity of perianal fistulas in the course of Crohn's disease, pre-operative evaluation of perineal abscess, pre-operative evaluation of perineal fistula, to check the anatomy of anal region, to check the extent of fistulas.

Patient prep: NPO for at least 4 hours. Void before exam.

Oral contrast: None

Coil: Phase array body coil

Coverage: Position the coil such that there is good coverage and signal from the level of the iliac crest to one inch below the symphysis pubis

Intravenous contrast: Single dose gadolinium.

Adult - 0.5 mmol/mL, maximum 20mL. Administer 2mL per second, example - MultiHance/ProHance/Doterem
0.25 mmol/mL, maximum 10mL, Administer 1.5mL per second, example - Gadavist

Anti-peristaltic agent: None

SUMMARY:

1. Localizer
2. Sag T2 Large FOV
3. Sag T2
4. Obl Ax T2
5. Obl Ax T1FS
6. Obl Ax T2FS
7. Obl Cor T2
8. Obl Cor STIR
9. Obl Cor T1FS
10. Ax Diff
11. Obl Ax T1FS Post
12. Obl Cor T1FS Post

SEQUENCES:

1. Localizer
2. Sagittal T2 Turbo SE (TSE, FSE) Large FOV
 - a. Large FOV to cover whole pelvis



- b. Goal parameters
 - i. Slice thickness 4mm
 - ii. Pixel area $\leq 1.0\text{mm}^2$
 - iii. Gap 0.8mm (20%)

3. Sagittal T2 Turbo SE (TSE, FSE) small FOV

- a. Small FOV to cover lesion, $\approx 200\text{mm}$
- b. Goal parameters
 - i. Slice thickness 3mm
 - ii. Pixel area $\leq 1.0\text{mm}^2$
 - iii. Gap 0

4. Obl Axial T2 Turbo SE (TSE, FSE)

- a. Small FOV to pt anatomy, $\approx 200\text{mm}$
 - i. Imaging plane should be perpendicular to the anal canal.
- b. Goal parameters
 - i. Slice thickness 3mm
 - ii. Pixel area $\leq 1.0\text{mm}^2$
 - iii. Gap 0.75mm (25%)

5. Obl Axial T1FS Turbo SE (TSE, FSE)

- a. Goal parameters
 - i. Same as Obl Ax T2

6. Obl Ax T2FS Turbo SE (TSE, FSE)

- a. Goal parameters
 - i. Same as Obl Ax T2

7. Obl Coronal T2 Turbo SE (TSE, FSE)

- a. Small FOV $\approx 200\text{mm}$
 - i. Imaging plane should be parallel to the anal canal, (perpendicular to Obl Ax)
- b. Goal parameters
 - i. Cover entire lesion
 - ii. Slice thickness 3mm
 - iii. Pixel area $\leq 1.0\text{mm}^2$
 - iv. Gap 0.75mm (25%)

8. Obl Cor STIR (TIRM, STIR, FastSTIR)

- a. Small FOV $\approx 200\text{mm}$
 - i. Imaging plane should be parallel to the anal canal, (perpendicular to Obl Ax)
- b. Goal parameters
 - i. Cover entire lesion
 - ii. Slice thickness 3mm
 - iii. Pixel area $\leq 1.0\text{mm}^2$
 - iv. Gap 0.75mm (25%)

9. Obl Cor T1FS Turbo SE (TSE, FSE)

- a. Goal parameters
 - i. Same as Obl Cor T2

10. Axial DWI with ADC map

- a. Goal parameters
 - i. Whole Pelvis
 - ii. b-value 0, 200, 500
 - iii. Slice thickness 5mm
 - iv. Gap 1mm (20%)

11. Obl Axial T1FS Turbo SE (TSE, FSE) Post Contrast

- a. Goal parameters
 - i. Same as Obl Ax T2

12. Obl Cor T1FS Turbo SE (TSE, FSE) Post Contrast

- a. Goal parameters
 - i. Same as Obl Cor T2

