# PERIANAL FISTULA 3.0T

### INSTRUCTIONS AND PATIENT PREPARATION

| | |
|---|---|
| **Instructions** | • Center at pubic symphysis/greater trochanters to include the entire anus<br>• For metal artifacts consider 1.5T<br>• Oblique axis refers to the sphincter |
| **Common Indications** | Perianal fistula, abscess, rectovaginal/rectovesical fistula |
| **Position** | Supine |
| **Coil** | 32 channel Torso, GEMS Body array, or Air coil |
| **Landmark** | Iliac Crest |

### CONTRAST AGENT PARAMETERS

| Contrast Agent | Dose | Injection Rate | Dose Timing Method and Scan Delay | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Gadopiclenol (VUEWAY)** | 0.05 mmol/kg up to a calculated volume of 10 mL | 2 mL/sec | Pre - 1 min | | | | | |
| **Saline Flush** | 50 mL | 2 mL/sec | Immediately following gadolinium | | | | | |
| **Comments** | — | — | Rectum to perineum | Rectum to perineum | Rectum to perineum | Pre, 1 min,<br>No breath hold | Post | Optional:<br>For surg. material |

### IMAGING PARAMETERS

| Scan Description | 3PL LOCALIZER SSFSE | SAGITTAL T2 | AXIAL OBLIQUE w/wo Fat Sat T2 FSE | CORONAL OBLIQUE w/wo Fat Sat T2 FSE | AXIAL T2 CUBE Fat Sat | Post OBLIQUE AXIAL T1 3D | Post OBLIQUE CORONAL T1 3D | AXIAL In/Out Phase |
|---|---|---|---|---|---|---|---|---|
| **Mode** | 2D | 2D | 2D | 2D | 3D | 3D | 3D | 3D |
| **Pulse Sequence** | SSFSE | FRFSE-XL | FRFSE-XL | FRFSE-XL | CUBE T2 | LAVA-Flex | LAVA-Flex | FAST GRE |
| **Imaging Options** | EDR, SEQ, SS, FAST, ARC | FC, TRF, FAST, FR | FC, TRf, FAST, FR | NPW, FC, TRf, FAST, FR | EDR, FAST, FR, ZIP512, ZIP2, ARC | EDR, FAST, ZIP512, ZIP2, Flex | EDR, FAST, ZIP512, ZIP2, Flex | EDR, FAST, ZIP, ARC |

### SCAN PARAMETERS

| Scan Description | 3PL LOCALIZER SSFSE | SAGITTAL T2 | AXIAL OBLIQUE w/wo Fat Sat T2 FSE | CORONAL OBLIQUE w/wo Fat Sat T2 FSE | AXIAL T2 CUBE Fat Sat | Post OBLIQUE AXIAL T1 3D | Post OBLIQUE CORONAL T1 3D | AXIAL In/Out Phase |
|---|---|---|---|---|---|---|---|---|
| **TE** | 90 | 103 | 103 | 103 | 90 | Min Full | Min Full | #TEs 2<br>TE 1 Min (1.1)<br>TE 2 2.3 |
| **TR** | Min | 4000 | 3500 | 3500 | 2500 | Def | Def | Def (4) |
| **Flip Angle** | — | — | — | — | — | 15 | 15 | — |
| **ETL** | — | 23 | 21 | 21 | 120 | — | — | 15 |
| **Bandwidth** | 83 | 62 | 62 | 62 | 62 | 142 | 62 | — |
| **SAT** | — | Chem Sat Fat | Chem Sat Fat | Chem Sat Fat | Chem Sat Fat | — | — | 143 |

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**MR Gadopiclenol (VUEWAY®) Protocol for GE HealthCare Systems**
**Body MR Imaging**

IMAGING FORUMS, INC.

**ACQUISITION PARAMETERS**

| Scan Description | 3PL LOCALIZER SSFSE | SAGITTAL T2 | AXIAL OBLIQUE w/wo Fat Sat T2 FSE | CORONAL OBLIQUE w/wo Fat Sat T2 FSE | AXIAL T2 CUBE Fat Sat | Post OBLIQUE AXIAL T1 3D | Post OBLIQUE CORONAL T1 3D | AXIAL In/Out Phase |
|---|---|---|---|---|---|---|---|---|
| **MATRIX freq** | 320 | 384 | 320 | 320 | 256 | 256 | 232 | 288 |
| **MATRIX phase** | 224 | 256 | 224 | 224 | 256 | 224 | 224 | 224 |
| **NEX** | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 0.9 |
| **Phase FOV** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.75 |
| **Freq Direction** | — | S/I | R/L | S/I | R/L | R/L | S/I | drR/L |
| **Accel** | Ph 2 | — | — | — | Ph 2, Sl 2 | — | — | Ph 2, Sl 2 |
| **Adv CV** | 1, 240, 1 | Fat Sat Eff 1<br>Cl annefact 1 | Fat Sat Eff 1<br>Cl annefact 1 | Fat Sat Eff 1<br>Cl annefact 1 | — | User CV:<br>Turbo 2<br>Centric 1 | User CV:<br>Turbo 2<br>Centric 1 | — |

**SCANNING RANGE**

| Scan Description | 3PL LOCALIZER SSFSE | SAGITTAL T2 | AXIAL OBLIQUE w/wo Fat Sat T2 FSE | CORONAL OBLIQUE w/wo Fat Sat T2 FSE | AXIAL T2 CUBE Fat Sat | Post OBLIQUE AXIAL T1 3D | Post OBLIQUE CORONAL T1 3D | AXIAL In/Out Phase |
|---|---|---|---|---|---|---|---|---|
| **FOV** | 48 | 36 | 26 | 26 | 26 | 28 | 28 | 36 |
| **Slice Thickness** | 8 | 2.4 | 2.4 | 2.4 | 1.8 | 2.6 | 2.6 | 3.6 |
| **Spacing** | 0 | .2 | .2 | .2 | 0 | 0 | 0 | 1 |
| **Number of Slices** | 21 Slices | Slices PRN | 14 Slices/acq | 13 Slices/acq | — | 80 Slices | 80 Slices | 19 Slices/acq |
| **Approx. Scan Time** | 0:30 | 4:00 ± | 4:00 ± | 4:00 ± | 5:00 ± | 1:30 | 1:30 | 0:23 per BH |

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