# GENERIC ABDOMEN PELVIS 1.5T

**INSTRUCTIONS AND PATIENT PREPARATION**

| | |
|---|---|
| **Instructions** | Supine |
| **Common Indications** | Abdomen pain, peritoneal pathology, infection, malignancies |
| **Coil** | 8 or 12 channel Body coil, GEMS 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 | Smart Prep Bolus Tracker - Peak Arterial plus 12 sec |
| **Saline Flush** | 50 mL | 2 mL/sec | Immediately following gadolinium |
| **Dynamic LAVA Notes** | • Liver-Pancreas – SEQ 6: Pre. SEQ 7: Arterial Smart Prep - Tracker in aorta @ mid liver, 12 sec delay. SEQ 8: Portal Venous 70 sec after the injection<br>• Pelvis – SEQ 9: Immediately after Portal Venous Phase<br>• Liver-Pancreas – SEQ 10: 3-5 min postcontrast | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Comments** | Quiet breathing | Expiration | Expiration Abdomen | Expiration Pre Pelvis | +C Expiration Pre, Art, Portal Liver-Pancreas | Expiration Immediately post Pelvis | Expiration 2-5 min post Liver-Pancreas | Expiration | Resp Trig Abdomen | Resp Trig Pelvis | Optional: Resp Trig Liver & Pancreas |

**IMAGING PARAMETERS**

| Scan Description | 3PL LOCALIZER SSFSE ARC | CORONAL T2 SSFSE ARC | AXIAL In/Out Phase | AXIAL T1 3D LAVA Fat | AXIAL T1 3D DYN LAVA Fat Liver-Pancreas | AXIAL T1 3D LAVA Fat Pelvis | AXIAL T1 3D LAVA Fat Liver-Pancreas | CORONAL T1 LAVA-Flex Abdomen-Pelvis | AXIAL RT T2 2D FRFSE Abdomen | AXIAL RT T2 2D FRFSE Pelvis | AXIAL DWI ASSET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mode** | 2D | 2D | 2D | 2D | 3D | 3D | 3D | 3D | 2D | 2D | 2D |
| **Pulse Sequence** | SSFSE | SSFSE | FAST GRE | LAVA | LAVA Type in: efgre3d_aspir if available | LAVA Type in: efgre3d_aspir if available | LAVA Type in: efgre3d_aspir if available | LAVA-Flex | FRFSE-XL | FRFSE-XL | DWI EPI |
| **Imaging Options** | EDR, SEQ, FAST, SS, ARC | EDR, FAST, SS, ARC, TRF | EDR, FAST, ZIP | FAST, ZIP512 | ARC, Art-Smartprep, ZIP512, ZIP2, EDR, FAST | ARC, ZIP512, ZIP2, EDR, FAST | ARC, ZIP512, ZIP2, EDR, FAST | EDR, FAST, ZIP2, ARC | Resp Trig, TRf, FAST | Resp Trig, TRf, FAST | Resp Trig, EPI, DIFF, ASSET |

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

IMAGING FORUMS, INC.

## SCAN PARAMETERS

| Scan Description | 3PL LOCALIZER SSFSE ARC | CORONAL T2 SSFSE ARC | AXIAL In/Out Phase | AXIAL T1 3D LAVA Fat | AXIAL T1 3D DYN LAVA Fat Liver-Pancreas | AXIAL T1 3D LAVA Fat Pelvis | AXIAL T1 3D LAVA Fat Liver-Pancreas | CORONAL T1 LAVA-Flex Abdomen-Pelvis | AXIAL RT T2 2D FRFSE Abdomen | AXIAL RT T2 2D FRFSE Pelvis | AXIAL DWI ASSET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **TE** | 90 | 90 | #TEs 2<br>TE 1 Min (2.2)<br>TE 2 4.4 | Def | Def | Def | Def | Min Fill | 90 | 90 | Min |
| **TR** | Min | Min | Def | Def | Def | Def | Def | Def | Def | Def | Def |
| **TI** | — | — | — | InvTI Auto | InvTI Auto | InvTI Auto | InvTI Auto | — | — | — | — |
| **Flip Angle** | — | — | 70 | 12 | 15 | 15 | 15 | 12 | — | — | — |
| **ETL** | — | — | — | — | — | — | — | — | 19 | 19 | — |
| **Bandwidth** | 62 | 83 | 31 | 62 | 62 | 62 | 62 | 90 | 50 | 50 | — |
| **SAT** | — | — | — | Chem Sat<br>Special Fat | Sat Scr<br>Special Fat Sat | Sat Scr<br>Special Fat Sat | Sat Scr<br>Special Fat Sat | — | Chem Sat<br>Fat Sat | Chem Sat<br>Fat Sat | — |

## ACQUISITION PARAMETERS

| Scan Description | 3PL LOCALIZER SSFSE ARC | CORONAL T2 SSFSE ARC | AXIAL In/Out Phase | AXIAL T1 3D LAVA Fat | AXIAL T1 3D DYN LAVA Fat Liver-Pancreas | AXIAL T1 3D LAVA Fat Pelvis | AXIAL T1 3D LAVA Fat Liver-Pancreas | CORONAL T1 LAVA-Flex Abdomen-Pelvis | AXIAL RT T2 2D FRFSE Abdomen | AXIAL RT T2 2D FRFSE Pelvis | AXIAL DWI ASSET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **MATRIX freq** | 288 | 320 | 320 | 288 | 256 | 256 | 256 | 320 | 320 | 320 | 128 |
| **MATRIX phase** | 192 | 224 | 192 | 192 | 192 | 192 | 192 | 192 | 224 | 224 | 128 |
| **NEX** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Def | 2 | 2 | — |
| **Phase FOV** | 1 | 1 | 0.75 | 0.9 | 0.9 | 0.9 | 0.9 | 1 | 0.8 | 0.8 | 1 |
| **Freq Direction** | Unswapped | S/I | R/L | R/L | R/L | R/L | R/L | S/I | drR/L | drR/L | R/L |
| **Accel** | Ph 2 | Ph 2 | — | Ph 2, Sl 2 | Ph 2, Sl 2 | Ph 2, Sl 2 | Ph 2, Sl 2 | Ph 2, Sl 2 | — | — | ASSET |
| **User CV** | 1, 240, 1 | Max echos 240 | — | — | CV6 1<br>CV30 1<br>For Smartprep:<br>Acq del 12 | CV6 1<br>CV30 1 | CV6 1<br>CV30 1 | Turbo ARC 2 | Fat Sat eff 1<br>Fn Ln sup 0 | Fat Sat eff 1<br>Fn Ln sup 0 | — |
| **Other** | — | — | — | — | — | — | — | — | Resp: 2RR<br>Tr Pt 30%<br>Tr Wd 30% | Resp: 2 RR<br>Tr Pt 30%<br>Tr Wd 30% | Real-time Field Adj OnEnh<br>Prep 1<br>DWI<br>b val 0-50<br>at 4 nex<br>b val 400-800<br>at 6 nex<br>Diff dr 3 in 1<br>OptTE On<br>Dual SE Off<br>Resp: 2 RR<br>Tr Pt 30%<br>Tr Wd 30% |

## SCANNING RANGE

| Scan Description | 3PL LOCALIZER SSFSE ARC | CORONAL T2 SSFSE ARC | AXIAL In/Out Phase | AXIAL T1 3D LAVA Fat | AXIAL T1 3D DYN LAVA Fat Liver-Pancreas | AXIAL T1 3D LAVA Fat Pelvis | AXIAL T1 3D LAVA Fat Liver-Pancreas | CORONAL T1 LAVA-Flex Abdomen-Pelvis | AXIAL RT T2 2D FRFSE Abdomen | AXIAL RT T2 2D FRFSE Pelvis | AXIAL DWI ASSET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **FOV** | 48 | 44 | 36 | 36 | 36 | 36 | 36 | 44 | 36 | 36 | 40 |
| **Slice Thickness** | 8 | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 5 | 5 | 5 |
| **Spacing** | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| **Number of Slices** | 15 Slices | — | 19 Slices/acq | 60 Slices | 60 Slices | 60 Slices | 60 Slices | 90 Slices | @ 60 Slices | @ 60 Slices | 32 Slices |
| **Approx. Scan Time** | 0:46 | 0:25/acq | 0:23 per BH | 0:18 | 0:24 | 0:18 | 0:18 | 0:22 | 5-6 min | 5-6 min | @ 2:29 |

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