APPENDICITIS NONCONTRAST 3.0T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Include anatomy from symphysis pubis through kidneys and gallbladder • All breath held scans should be done on end expiration (or inspiration if needed)
Common Indications	Rule out appendicitis, right lower quadrant pain, often for pregnant patients
Position	Supine
Coil	8 or 12 channel Body coil, GEMS array, or Air Coil
Landmark	Iliac Crest
Comments	Quiet breathing / Breath held / Breath held / Breath held / Breath held / Breath held / Resp Trig / Optional: Axial TOF over cecum to distinguish large pelvic vessels from pathology

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER	CORONAL SSFSE	AXIAL SSFSE	AXIAL SSFSE SP Fat	SAGITTAL SSFSE	AXIAL T1 3D	AXIAL DWI ASSET	Arterial Inhance-2DIF Pelvis
Mode	2D	2D	2D	2D	2D	3D	2D	2D
Pulse Sequence	SSFSE	SSFSE	SSFSE	SSFSE	SSFSE	LAVA	DWI EPI	Ax 2D Inhance Inflow
Imaging Options	EDR, SEQ, FAST, ARC, SS	EDR, FAST ARC, SS	EDR, FAST, ARC, SS	EDR, FAST, ARC, SS	EDR, FAST, ARC, SS	EDR, ZIP2, ARC, FAST, FLEX	Resp Trig, EPI, DIFF, ASSET	FC, GAT, SEQ, EDR, FAST, ASSET, ZIP512

SCAN PARAMETERS

Scan Description	3PL LOCALIZER	CORONAL SSFSE	AXIAL SSFSE	AXIAL SSFSE SP Fat	SAGITTAL SSFSE	AXIAL T1 3D	AXIAL DWI ASSET	Arterial Inhance-2DIF Pelvis
TE	90	90	90	90	90	MF	Min	Min
TR	Min	Min	Min	Min	Min	Def	Def	Min Full
TI	—	—	—	170	—	—	—	—
Flip Angle	—	—	—	—	—	15	—	70
Bandwidth	83	83	83	83	83	142	—	31
SAT	—	—	—	Chem Sat Special Fat Sat	—	—	—	I

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER	CORONAL SSFSE	AXIAL SSFSE	AXIAL SSFSE SP Fat	SAGITTAL SSFSE	AXIAL T1 3D	AXIAL DWI ASSET	Arterial Inhance-2DIF Pelvis
MATRIX freq	320	320	320	320	320	288	128	256
MATRIX phase	224	256	256	256	256	224	128	192
NEX	1	—	—	—	—	1	—	1
Phase FOV	1	1	0.8	0.8	0.8	0.9	1	0.6
Freq Direction	—	S/I	R/L	R/L	S/I	R/L	R/L	R/L
Accel	Ph 2	Ph 2	Ph 2, Sl 2	Ph 2, Sl 2	Ph 2, Sl 2	Ph 2, SL 2	—	Opt Sat 1
User CV	1, 240, 1	1, 240, 1	1, 240, 1	1, 240, 1	1, 240, 1	—	Rmp smp 1 Recon type 1 Grad opt 1 Enh Prep 1	Superior Sat Collapsed on 19 images Gating scr - TR win 10 Trig del Min VPS 32
Other	—	—	—	—	—	—	DWI b val 50 1 nex b val 400-800 4 nex Diff dr 3 in 1 OptTE On Dual SE Off Resp. 2 RR Tr Pt 30% Tr Wd 30% Del Min	—

Disclaimer: The MR Protocols information is provided by independent physicians and technologists and is not intended to provide definitive or complete medical instructional or treatment information. Products referenced herein should be used consistently with their package inserts, and any devices referenced herein should be used consistently with the operation instructions provided by their respective manufactures. Northwest Imaging Forums, Inc. and Bracco Diagnostics Inc. do not offer medical advice and shall not be responsible for any person's reliance on this protocol.

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MR Protocol for GE HealthCare Systems
Body MR Imaging

IMAGING FORUMS, INC.

SCANNING RANGE

Scan Description	3PL LOCALIZER	CORONAL SSFSE	AXIAL SSFSE	AXIAL SSFSE SP Fat	SAGITTAL SSFSE	AXIAL T1 3D	AXIAL DWI ASSET	Arterial Inhance-2DIF Pelvis
FOV	48	36 x 36	36 x 27	36 x 27	36 x 27	36	40	36
Slice Thickness	8	4	4	6	4	2.8	5	4
Spacing	0	0	0	0	0	0	1	.5 mm Overlap
Number of Slices	15 Slices	PRN	PRN	PRN	PRN	100 Locs	PRN	@100 Slices
Approx. Scan Time	0:15	0:20/acq	0:20/acq	0:20/acq	0:20/acq	0:23	@ 2:29	± 7:00-8:00

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