ROUTINE ABBREVIATED BREAST 3T

INSTRUCTIONS AND PATIENT PREPARATION

Common Indications	Screening
Position	Prone
Coil	Bilateral Breast Coil
Landmark	Mid-breast, Nipples

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose
Gadopiclenol (VUEWAY)	0.05 mmol/kg up to a calculated volume of 10 mL
Saline Flush	50 mL
Comments	Report agent administered and dose

IMAGING PARAMETERS

Scan Description	LOCALIZER	AXIAL STIR	AXIAL T1 3D DYNAMIC Pre	AXIAL T1 3D DYNAMIC 1 PHASE
Pulse sequence	fl	tir rr	fl	fl
Dimension	2D	2D	3D	3D
PAT mode	GRAPPA	GRAPPA	GRAPPA	GRAPPA
mmPAT	2	3	3	3
Acceleration factor PE	2	3	3	3
Acceleration factor 3D	—	—	1	1

SCAN PARAMETERS

Scan Description	LOCALIZER	AXIAL STIR	AXIAL T1 3D DYNAMIC Pre	AXIAL T1 3D DYNAMIC 1 PHASE
TR	6.0 ms	5500.0 ms	4.52 ms	4.52 ms
TE	2.46 ms	52.0 ms	1.80 ms	1.80 ms
TI	—	215 ms	—	—
Flip Angle	30 deg	150 deg	11 deg	11 deg
Turbo factor	—	12	—	—
Bandwidth	480 Hz/Px	260 Hz/Px	400 Hz/Px	400 Hz/Px
Water suppr.	None	None	None	None
Fat suppr.	None	None	SPAIR	SPAIR
Gradient mode	Fast	Normal	Fast	Fast
RF pulse type	Fast	Normal	Fast	Fast
Asymmetric echo	Off	—	Weak	Weak

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.

Supported by an educational grant from Bracco Diagnostics Inc.

MR Gadopiclenol (VUEWAY®) Protocol for Siemens HealthCare Systems
Breast MR Imaging

IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	LOCALIZER	AXIAL STIR	AXIAL T1 3D DYNAMIC Pre	AXIAL T1 3D DYNAMIC 1 PHASE
Base resolution	288	320	416	416
Phase resolution	80%	100%	100%	100%
Slice resolution	—	—	50%	50%
Averages	1	2	1	1
Averaging mode	Short term	Long term	Short term	Short term
Concatenations	2	2	1	1
FoV read	450 mm	290 mm	290 mm	290 mm
FoV phase	100%	100%	100%	100%
Phase enc. dir.	A >> P	R >> L	R >> L	R >> L
Phase partial fourier	Off	Off	7/8	7/8
Phase oversampling	10%	30%	40%	40%
Slice partial fourier	—	—	7/8	7/8
Slice oversampling	—	—	11%	11%
Flow compensation	No	Read	—	—

SCANNING RANGE

Scan Description	LOCALIZER	AXIAL STIR	AXIAL T1 3D DYNAMIC Pre	AXIAL T1 3D DYNAMIC 1 PHASE
Filter	Distortion Corr.(2D)	Distortion Corr.(2D), Prescan Normalize, Elliptical filter	Distortion Corr.(3D), Prescan Normalize, Elliptical filter	Distortion Corr.(3D), Prescan Normalize, Elliptical filter
Slice thickness	5.5 mm	4.0 mm	0.8 mm	0.8 mm
Distance factor	150%	0%	20%	20%
Slices	7 Slices	55 Slices	144 Slices per Slab	144 Slices per Slab
Time of acquisition	0:25	4:59	1:12	1:12

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