SINUSES/FACE 3.0T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	Reformat Sagittal T1 CUBE and Coronal T1 CUBE in Axial and Coronal planes. If CUBE is not available run Axial and Coronal T1 weighted sequences with and without contrast (+/-Fat Sat)
Position	Supine, head first
Coil	8 channel Head or NVPA
Landmark	Glabella or chin

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate
Gadopiclenol (VUEWAY)	0.05 mmol/kg up to a calculated volume of 10 mL	Hand Bolus usually
Saline Flush	10-20 mL	—
Comments	• Report agent administered and dose • Consider using ARDL for CUBE or Flex sequences if available	

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL 3D T1 CUBE	AXIAL T2 FS FSE	AXIAL DWI PROPELLER	CORONAL STIR CUBE Flex	Post SAGITTAL 3D T1 CUBE Flex	Post CORONAL T1 LAVA-Flex	Post CORONAL T1	Optional: AXIAL T1	Optional: CORONAL T1 FSE	Optional: CORONAL T2 FRFSE	Optional: Post AXIAL T1 FSE	Optional: CORONAL 3D T2 CUBE Flex	Optional: CORONAL T1 FSE
Primary Sequence	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Optional	Yes	Yes	Yes	Yes	Yes	Yes
Mode	2D	3D	2D	2D	3D	3D	3D	3D	2D	2D	2D	2D	3D	2D
Pulse Sequence	SSFSE	CUBE	FRFSE-XL	PROPELLER	CUBE	CUBE	LAVA	CUBE	FSE-XL	FSE-XL	FSE-XL	FSE-XL	CUBE	FSE-XL
Imaging Options	SEQ, EDR, FAST, SS, ARC, TRF	EDR, ZIP2, ZIP512, FR, ARC	EDR, FC, TRF	PROPELLER, ARC (DWDuo if available)	EDR, FAST, ZIP512, ARC, HS, IrP	EDR, ZIP2, ZIP512, FR, ARC, Flex	EDR, FAST, ZIP512, ZIP2, ARC, Flex	EDR, FAST, ZIP2, FR, ARC	EDR, TRF, ZIP512	EDR, TRF, ZIP512	FC, TRF, NPW	FC, TRF, FAST	PC, EDR, ZIP2, ARC, FR, Flex, ZIP512	EDR, TRF, ZIP512

SCAN PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL 3D T1 CUBE	AXIAL T2 FS FSE	AXIAL DWI PROPELLER	CORONAL STIR CUBE Flex	Post SAGITTAL 3D T1 CUBE Flex	Post CORONAL LAVA-Flex	Post CORONAL T1	Optional: AXIAL T1	Optional: CORONAL T1 FSE	Optional: CORONAL T2 FRFSE	Optional: Post AXIAL T1 FSE	Optional: CORONAL 3D T2 CUBE Flex	Optional: CORONAL T1 FSE
TE	80	Min	80	—	80	Min	Min-Full	24	Min-Full	Min	85	Min-Full	80	Min
TR	1000	550	3500-4250	Auto	2800	500	—	550	500	500	4000	500-700	1800	500
TI	—	—	—	—	—	Auto	12	—	—	—	—	—	160	—
Flip Angle	—	Auto	Auto	—	280	—	—	—	68 (Auto with TR)	90	Auto	Auto	—	90
ETL	—	24	19	20	100	23	—	24	—	—	13	3	100	—
Bandwidth	83	62	41	41	83	62	—	62	27	32	31	31	50	32
Sat	—	—	Fat (Flex if available)	Fat	—	R/L	—	Fat	—	—	Fat (Flex if available)	Optional: Fat or Flex	—	—

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Supported by an educational grant from Bracco Diagnostics Inc.

MR Gadopiclenol (VUEWAY®) Protocol for GE HealthCare Systems
Central Nervous System

IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL 3D T1 CUBE	AXIAL T2 FS FSE	AXIAL DWI PROPELLER	CORONAL STIR CUBE Flex	Post SAGITTAL 3D T1 CUBE Flex	Post CORONAL LAVA-Flex	Post CORONAL T1	Optional: AXIAL T1	Optional: CORONAL T1 FSE	Optional: CORONAL T2 FRFSE	Optional: Post AXIAL T1 FSE	Optional: CORONAL 3D T2 CUBE Flex	Optional: CORONAL T1 FSE
MATRIX freq	256	256	384	112	240	240	228	288	288	288	384	320	240	288
MATRIX phase	192	256	256	112	240	240	220	288	224	224	256	224	240	224
NEX	1	1	2	2.5	1	1	2	1	1	1	2	2	1	1
Phase FOV	1	—	0.75	1	0.9	1	1	0.7	0.9	—	1	1	0.9	—
Freq Direction	Unswap	S/I	A/P	R/L	S/I	S/I	S/I	S/I	A/P	S/I	S/I	A/P	S/I	S/I
Image Enhance	—	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE
FC Direction	—	—	Phase	—	Freq	—	—	—	—	—	Freq	Slice	Freq	—
User CV	—	ACC=2	—	TR Auto B-Val 1000 ADC On Comb On DIFF Prep On ACC=2	FOCUS 3D Correction ARC 2/2 HS 1	ACC=2 3D Correction	ACC=2/2 3D Correction	Fat EFF-1 CUBE Enh=3 ACC-2	—	—	—	—	FOCUS 3D Correction	—

SCANNING RANGE

Scan Description	3PL LOCALIZER	SAGITTAL 3D T1 CUBE	AXIAL T2 FS FSE	AXIAL DWI PROPELLER	CORONAL STIR CUBE Flex	Post SAGITTAL 3D T1 CUBE Flex	Post CORONAL LAVA-Flex	Post CORONAL T1	Optional: AXIAL T1	Optional: CORONAL T1 FSE	Optional: CORONAL T2 FRFSE	Optional: Post AXIAL T1 FSE	Optional: CORONAL 3D T2 CUBE Flex	Optional: CORONAL T1 FSE
FOV	30	22	22	24	24	24	30	24	18	18	16	18	24	18
Slice Thickness	7	1.2	3	4	1	1.2	1	1.2	3	4	4	3	1.2	3
Spacing	5	—	1	1	—	—	—	—	1	1	1	INT-1	—	0
Number of Slices	7-Ax/Sag/Cor	112	24-26	24-26	174	160	236	200	20-25	20-15	12-18	12-18	160	20-15
Scan Time	0:18 sec	3-5 min	~2-3 min	~2-3 min	3-5 min	3-5 min	~3 min	2:36 min	~3 min	~2-3 min	~3 min	~2.5 min	3-5 min	~2-3 min

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