SINUSES/FACE 1.5T

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, HNU (Head 24 selected if possible), 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 1 mL/sec
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: Post AXIAL T1 FSE Flex	Optional: AXIAL T1	Optional: CORONAL T1 FSE	Optional: CORONAL 3D T2 CUBE Flex	Optional: CORONAL T2 FRFSE
Primary Sequence	Yes	Yes	Yes	Yes	Yes	—	Yes	Optional	Yes	Yes	Yes	Yes	Yes
Mode	2D	3D	2D	2D	3D	3D	3D	3D	2D	2D	2D	3D	2D
Pulse Sequence	SSFSE	FSE-XL	FRFSE-XL	SE-EPI-PROPELLER	CUBE	FSE-XL	FAST SPGR-LAVA	3D CUBE	FSE-XL	FSE-XL	FSE-XL	FSE-XL	FRFSE
Imaging Options	SEQ, EDR, FAST, SS, ARC, TRF	EDR, ZIP2, ZIP512, FR, ARC	FC, TRF, FAST (Flex if available)	B=1, 1000, DIR=ALL, ARC, .5EPI, EDR, DIFF,	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, FAST, ARC, Flex	EDR, TRF, ZIP512	EDR, TRF, ZIP512	EDR, ZIP2, ARC, FR, Flex, ZIP512	NP, TRF, FC, FAST, ZIP512 (Flex if available)

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 T1 LAVA-Flex	Post CORONAL T1	Optional: Post AXIAL T1 FSE Flex	Optional: AXIAL T1	Optional: CORONAL T1 FSE	Optional: CORONAL 3D T2 CUBE Flex	Optional: CORONAL T2 FRFSE
TE	80	24	80	Min	80	Min	Min-Full	24	18	Min-Full	Min	80	85
TR	1000	550	3500-4250	6000	2800	500	—	550	800	500	500	3000	3400
TI	—	—	—	—	280	Auto	12	—	—	—	—	Auto	—
Flip Angle	—	Auto	Auto	Auto	—	23	—	—	—	68 (Auto with TR)	90	100	Auto
ETL	—	24	19	—	100	62	125	24	3	—	—	50	21
Bandwidth	83	62	41	41	83	R/L	—	62	31	27	32	—	41
Sat	—	—	Fat (Flex if available)	Fat	—	—	—	Fat	—	—	—	—	Fat (Flex if available)

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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 T1 LAVA-Flex	Post CORONAL T1	Optional: Post AXIAL T1 FSE Flex	Optional: AXIAL T1	Optional: CORONAL T1 FSE	Optional: CORONAL 3D T2 CUBE Flex	Optional: CORONAL T2 FRFSE
MATRIX freq	256	240	320	112	240	240	224	288	224	288	256	240	256
MATRIX phase	192	240	256	112	240	240	224	288	224	224	224	240	256
NEX	1	1	2	2.5	1	1	2	1	1	1	1	1	1
Phase FOV	1	—	0.75	1	0.9	1	1	0.7	1	1	1	1	1
Freq Direction	Unswap	S/I	A/P	R/L	S/I	S/I	S/I	S/I	A/P	A/P	S/I	S/I	S/I
Image Enhance	—	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	SCIC	PURE	PURE
FC Direction	—	—	Slice	—	Freq	—	—	—	—	—	—	Freq	Freq
User CV	—	ACC=2	—	CV0 1 CV5 1 CV7 1 CV17 1 Dual SE Off # Directions=3 Optimized TE	FOCUS 3D Correction ARC 2/2 HS 1	ACC=2 3D Correction	ACC=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 T1 LAVA-Flex	Post CORONAL T1	Optional: Post AXIAL T1 FSE Flex	Optional: AXIAL T1	Optional: CORONAL T1 FSE	Optional: CORONAL 3D T2 CUBE Flex	Optional: CORONAL T2 FRFSE
FOV	30	24	22	24	24	24	30	24	20	18	18	24	20
Slice Thickness	7	1.2	3	3	1	1.2	1	1	3	3	3	1.2	3
Spacing	5	—	1	1	—	—	—	—	1	1	0	—	0
Number of Slices	7-Ax/SagCor	160	24-26	24-26	174	160	236	200	24-26	20-25	15-20	160	20-25
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	~3 min	~2-3 min	3-5 min	~2-3 min

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