SOFT TISSUE NECK 1.5T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• If contrast is used, lesions and cancer staging slices may vary based on indication • Reformat pre and post Sagittal 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 or Flex) • Coronal coverage = top of orbits thru manubrium • Axial coverage = tailored to area of interest (nasopharynx/oropharynx/parotids) cover lesions or area of interest
Position	Supine, head first
Coil	Head/Neck
Landmark	Region of interest

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 Flex	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	CORONAL 3D T2 CUBE Flex	Optional: Post CORONAL T1 FSE
Primary Sequence	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Optional	Yes	Yes	Yes
Mode	2D	3D	2D	2D	3D	3D	3D	3D	2D	3D	2D
Pulse Sequence	SSFSE	FSE-XL	FSE-XL	SE-EPI-PROPELLER	CUBE	FSE-XL	FAST SPGR-LAVA	3D CUBE	FSE-XL	FSE-XL	FSE-XL
Imaging Options	SEQ, EDR, FAST, SS, ARC, TRF	EDR, ZIP2, ZIP512, FR, ARC	FC, TRF, FAST, Flex	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, ZIP2, ARC, FR, Flex, ZIP512	EDR, TRF, ZIP512

SCAN PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL 3D T1 CUBE	AXIAL T2 FS Flex	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	CORONAL 3D T2 CUBE Flex	Optional: Post CORONAL T1 FSE
TE	80	Min	85	Min	80	Min	Min-Full	24	18	80	18
TR	1000	500	3000	6000	2600	500	—	550	800	3000	500
TI	—	—	—	—	220	—	—	—	—	—	—
Flip Angle	—	Auto	Auto	Auto	—	Auto	12	—	—	Auto	—
ETL	—	20	20	—	100	23	—	24	3	100	3
Bandwidth	83	62	50	41	83	62	125	62	31	50	32
SAT	—	R/L	—	Fat	—	R/L	—	Fat	—	—	—

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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 Flex	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	CORONAL 3D T2 CUBE Flex	Optional: Post CORONAL T1 FSE
MATRIX freq	256	240	288	112	240	240	224	288	224	240	224
MATRIX phase	192	240	224	112	240	240	224	288	224	240	224
NEX	1	1	1	2.5	1	1	2	1	1	1	1
Phase FOV	1	1	1	1	0.9	1	1	0.7	1	1	—
Freq Direction	Unswap	S/I	R/L	R/L	S/I	S/I	S/I	S/I	A/P	S/I	S/I
Image Enhance	—	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	SCIC
FC Direction	—	—	Slice	—	Freq	—	—	—	—	Freq	—
User CV	—	ACC=2 3D Correction	—	CV0 1 CV5 1 CV7 1 CV17 1 Dual SE Off # Directions=3 Optimized TE	FOCUS 3D Correction ARC 2/2 HS 1.2	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 Flex	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	CORONAL 3D T2 CUBE Flex	Optional: Post CORONAL T1 FSE
FOV	30	24	20	24	24	24	30	24	20	24	20
Slice Thickness	7	1.2	3	4	1.2	1.2	1	1	3	1.2	3
Spacing	5	—	1	1	—	—	—	—	1	—	0
Number of Slices	7-Ax/SagCor	160	24-26	24-26	174	160	236	200	24-26	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	3-5 min	~-3-4 min
Total Scan Time	~45 min										

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