SOFT TISSUE NECK 3.0T

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 Flex	Optional: Post CORONAL T1 FSE	Optional: CORONAL 3D T2 CUBE-Flex
Primary Sequence	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Optional	Yes	Yes	Yes
Mode	2D	3D	2D	2D	3D	3D	3D	3D	2D	2D	3D
Pulse Sequence	SSFSE	CUBE	FSE-XL	PROPELLER	CUBE	CUBE	LAVA	CUBE	FSE-XL	FSE-XL	CUBE
Imaging Options	SEQ, EDR, FAST, SS, ARC, TRF	EDR, ZIP2, ZIP512, FR, ARC	FC, TRF, FAST, Flex	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, FAST, ARC, Flex	EDR, TRF, ZIP512	PC, EDR, ZIP2, ARC, FR, Flex, 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 LAVA-Flex	Post CORONAL T1	Optional: Post XIAL T1 FSE-Flex	Optional: Post CORONAL T1 FSE	Optional: CORONAL 3D T2 CUBE-Flex
TE	80	Min	85	—	80	Min	Min-Full	24	Min	Min	80
TR	1000	500	3000	Auto	2800	500	—	550	800	500	1800
Flip Angle	—	Auto	Auto	—	—	Auto	12	—	—	90	160
TI	—	—	—	—	280	—	—	—	—	—	—
ETL	—	20	20	20	100	23	—	24	3	—	100
Bandwidth	83	62	50	41	83	62	—	62	31	32	50
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 LAVA-Flex	Post CORONAL T1	Optional: Post XIAL T1 FSE-Flex	Optional: Post CORONAL T1 FSE	OPT: CORONAL 3D T2 CUBE Flex
MATRIX freq	256	240	288	112	240	240	228	288	288	288	240
MATRIX phase	192	240	224	112	240	240	220	288	224	224	240
NEX	1	1	1	2.5	1	1	2	1	1	1	1
Phase FOV	1	Full	Full	1	0.9	1	1	0.7	Full	—	0.9
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	SCIC	PURE
FC Direction	—	—	Slice	—	Freq	—	—	—	—	—	Freq
User CV	—	ACC=2 3D Correction	—	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 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 LAVA-Flex	Post CORONAL T1	Optional: Post XIAL T1 FSE-Flex	Optional: Post CORONAL T1 FSE	Optional: CORONAL 3D T2 CUBE-Flex
FOV	30	24	18	24	24	24	22	24	18	18	24
Slice Thickness	7	1.2	3	4	1	1.2	1	1	3	3	1.2
Spacing	5	—	1	1	—	—	—	—	1	0	—
Number of Slices	7-Ax/Sag/Cor	160	24-26	24-26	174	160	236	200	24-26	20-15	160
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	~-3-4 min	3-5 min

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