

BRAIN VOLUME

Revised: 10/2018

CPT Code: 70551: Non contrast

70553: Contrast

Indications: Brain atrophy, Volume loss

Contrast: As ordered/Indicated

Preferred Scanner-3T only

Plane	Sequence	Slice (mm)	Gap (mm)	FAT SAT	FOV (mm)	Scan Range	Notes
AX	DWI	4	1.2	Y	210	Entire brain from vertex thru cerebellum, angled parallel to the ACPC	
SAG	T1 3D	.9	0	N	210	Entire brain, angled parallel to midline of brain	RFMT AX & COR
AX	T2	3	1.5	N	210	Entire brain from vertex thru cerebellum, angled parallel to the ACPC	
AX	FLAIR	3	1.5	N	210	Entire brain from vertex thru cerebellum, angled parallel to the ACPC	
AX	SWI	3	0	N	210	Entire brain from vertex thru cerebellum, angled parallel to the ACPC	
SAG	FLAIR	3	1.5	N	210	Entire brain, angled parallel to midline of brain	IF CONTRAST EXAM:DO THIS SEQUENCE POST CONTRAST DIRECTLY AFTER CONTRAST INJECTION
COR	T2	3	1.5	N	210	Entire brain, angled parallel to brain stem	
SAG	T1 3D VOL	1.2	0	N	256	Entire brain, angled parallel to midline of brain	SEND IMAGES TO RADIA FOR PROCESSING

CONTRAST IF ORDERED/INDICATED

Plane	Sequence	Slice (mm)	Gap (mm)	FAT SAT	FOV (mm)	Scan Range	Notes
SAG	FLAIR	3	1.5	N	210	Entire brain, angled parallel to midline of brain	

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SAG	T1 3D	.9	0	Y	210	Entire brain, angled parallel to midline of brain	RFMT AX & COR
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SCAN PLANNING:

ACPC: Anterior Commissure Line/Posterior Commissure Line

