

BRAIN PERFUSION

Revised: 10/2018

CPT Code: 70553

Indications: Neuro request for tumor, infection, radiation or necrosis

Contrast: YES

Preferred Scanner-Any Scanner (3T for Neuro patients)

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	

CONTRAST

Plane	Sequence	Slice (mm)	Gap (mm)	FAT SAT	FOV (mm)	Scan Range	Notes
AX	DYN PERF	5	2.5	Y	210	Entire brain from vertex thru cerebellum, angled parallel to the ACPC, include tumor	POST PROCESS USING PERFUSION SOFTWARE
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

