

Patient Name:  RT#:

**USER --> MR SIM --> HEAD --> BRAIN Framed SRS**

		Technologist	
<b>Setup</b>	Rad Onc Daily QA performed		
	Review prior images in PACS		
	Patient changed into gown		
	Flat table overlay positioned on MRI couch and covered with sheet		
	External lasers reset (zeroed) prior to setting up patient		
	Head frame support positioned on flat table overlay		
	Confirm fiducial box seated properly on frame		
	Confirm A/P and L/R correct on fiducial box		
	Confirm fiducial box clips in position		
	Ear plugs placed on patient		
	Confirm head frame secured in frame support		
	Straighten patient using external sagittal laser		
	Two large, flexible, body MATRIX coils wrapped around head and secured with straps		
	<b>Localizers</b>	External lasers turned off	
<b>Acquisition</b>	Scan prescription includes air superiorly through cerebellum		
	Confirm positioning mode set to ISO for all sequences		
	Confirm auto-coil select off, coil selection appropriate, and coils same for each sequence		
	High order shim volume adjusted over brain and copy to each sequence		
	Confirm intensity uniformity correction set to Pre-Scan Normalize		
	Confirm readout bandwidth set to 440 Hz/pixel for all images		
	Hand inject contrast according to Table 1		
	Contrast delay	90	sec
	Images screened for artifacts. If necessary, resolve artifact source and re-acquire		
	<b>Post-Scanning</b>	Do we have what we need? If not, resolve or repeat if necessary	
Confirm head frame did not move out of frame support			
3D distortion correction applied to all images			
3D distortion corrected images ( _DIS3D suffix) sent to MIM_Clinical			
Verify horizontal and vertical dimensions of fiducial markers			
Non-distortion corrected images ( _ND or _DIS2D) deleted from PACS			
Initials/Date:			

**Table 1: Contrast Settings**

Contrast Media	Gadavist
Contrast Volume	0.1 mL/kg body weight
Injection Rate	Hand inject
Saline Flush	N/A

Version 1.1  
Date: 3/18/2020