

Patient Name:  RT#:

**USER --> MR SIM --> PELVIS --> ANUS/RECTUM**

		Technologist
<b>Setup</b>	Review prior images in PACS	
	Setup power injector (see Table 1)	
	Patient changed into gown	
	Filling Protocol: 16 oz water 20 min prior if MR Sim not immediately following CT Sim	
	Flat table overlay positioned on MRI couch and covered with sheet	
	Position patient head first; confirm entire pelvis above S8 on spine coil	
	External lasers reset (zeroed) prior to setting up patient	
	Place IV (left antecubital preferred)	
	Headphones placed on patient	
	no flexible, body MATRIX coils placed S/I over pelvis on bridges and secured with straps	
	Feet secured in foot rest; foot rest indexed to flat table overlay	
	Inject 0.5 mg Glucagon IV	
	External lasers turned off	
<b>Localizers</b>	Confirm no orange FOV limits (if so, reposition patient)	
	Run "FH MR Sim OAR Check" workflow in MIM to verify bladder	
<b>Acquisition</b>	Prescribe from pubic symphysis/ischium superior through crest	
	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 body and copied to each sequence	
	Confirm intensity uniformity correction set to Pre-Scan Normalize	
	DWI: Adjust phase FOV to avoid aliasing	
	DWI: Optimize readout bandwidth to minimize effective echo spacing	
	Inject remaining 0.5 mg Glucagon IV	
	If "MR SIM with Interpretation", add missing diagnostic sequences	
	If patient consented to research, run research sequences	
<b>Multiphase Dynamic Contrast</b>	Timing bolus contrast delay	12-15 sec
	Did fat-sat work? If not, fix before injecting	
	Images screened for artifacts. If necessary, resolve artifact source and re-acquire	
<b>Post-Scanning</b>	3D distortion correction applied to all images	
	3D distortion corrected images (_DIS3D suffix) sent to MIM_Clinical	
	Non-distortion corrected images (_ND or _DIS2D) deleted from PACS	
Initials/Date:		

**Table 1: Power Injector Settings**

Contrast Media	Gadavist
Contrast Volume	0.1 mL/kg body weight
Injection Rate	2 mL/sec
Saline Flush	5.5 mL

Version 1.1  
Date: 3/18/2020