Patient Name:	RI#:	
USER> MR SIM> ABDOMEN> LIVER (Cholangiocarcinoma, Bile Duc	t)	
, , , , , , , , , , , , , , , , , , ,	· [	Technologist
Setup Review prior image	s in PACS	<u> </u>
Confirm patient		
Setup power injector (se	e Table 1)	
Patient changed into gown; confirm whether MR-compatible bra worn duri		
Flat table overlay positioned on MRI couch and covered		
Confirm immobilization device fits through MRI bore and coil plugs have		
Arm support indexed on flat tab		
External lasers reset (zeroed) prior to setting		
Respiratory bellows positioned at inferior sternum as navigat		
Straighten patient using external sagittal laser and patient b		
Place IV (left antecubital prefered)		
Nasal cannula placed on patient with oxygen at 2-3	Liters/min	
Arm support adjusted to maximize patient comfort or match CT Sim settings (Mosaiq)		
Head phones placed		
Two flexible, body MATRIX coils supported on bridges and secured with straps		
Confirm coils do not deform anterior surface anatomy		
Legs positioned	on bolster	
Inject 0.5 mg Gl	ucagon IV	
External lasers	turned off	
<b>Localizers</b> Expiration brea		
Acquisition Prescribe diaphragm through kidneys if possible; must ha	ve full liver	
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 positioning mode set to ISO for all s	equences	
Use respiratory period from navigator scout to calibrate TR for all triggered s	equences	
Confirm intensity uniformity correction set to Pre-Scan Normalize (Resolution> Filter)		
DWI: Adjust phase FOV to avo	id aliasing	
DWI: Optimize readout bandwidth to minimize effective ech	no spacing	
Inject remaining 0.5 mg Gl	ucagon IV	
If "MR SIM with Interpretation", add missing diagnostic s	equences	
Multiphase Dynamic Contrast Confirm acquisition time for all breath ho	old phases	<15
Breath holds performed on	expiration	
Bolus tracking slice positioned over descen	ding aorta	
If 4D-MRI: Run between 15 min and 20 min delay	ed images	
Images screened for artifacts. If necessary, resolve artifact source and	re-acquire	
<b>Post-Scanning</b> 3D distortion correction applied to	all images	
Check Dixon images for fat-water swap; only send actual water-only imag	es to MIM	
3D distortion corrected images (_DIS3D suffix) sent to MIM_Clinica		
If 4D-MRI acquired: send Header sca		
If 4D-MRI acquired: Run Yarra client (Ctrl+Esc> Transfer		
Non-distortion corrected images (_ND or _DIS2D) deleted for	rom PACS	
In	itials/Date·	

Table 1: Power Injector Settings

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Contrast Media	Eovist
Contrast Volume	10 mL (fixed)
Injection Rate	3 mL/sec
Saline Flush	5.5 mL

Version 1.1 Date: 3/18/2020