

# Pre-operative work-up

## Sequence Card

MR Equipment		
Coil(s)	Q-Body + Synergy-Body (Lower legs)	
MR Sequence Parameters	Dynamic	Steady State
Sequence	3D FFE T1	3D FFE T1
Repetition Time (ms)	2.70 / 2.80 / 4.80 (shortest)	4.80 / 4.90 / 5.8 (shortest)
Echo Time (ms)	0.89 / 0.94 / 1.36 (shortest)	1.42 / 1.44 / 1.68 (shortest)
Flip Angle (°)	25	25
Bandwidth (Hz/Pixel)	658 / 658 / 217	217 / 217 / 217
Slice Thickness (mm)	1.60 / 1.50 / 1.10	1.50 / 0.99 / 0.49
Number of Slices	65 / 60 / 80	90 / 95 / 170
FOV (mm)	451	451
Phase Field of View (%)	75	75
Acquisition Matrix (Pixel)	384 x 285 / 336 x 252 / 400 x 300 400 x 300 / 416 x 312 / 464 x 348	
Resolution (mm <sup>3</sup> )	M: 1.48 x 2.33 x 3.40	M: 1.13 x 1.48 x 3.00
M: measured	R: 1.04 x 1.04 x 1.60	R: 0.88 x 0.88 x 1.50 AI
R: reconstructed	M: 1.34 x 2.11 x 3.00	M: 1.08 x 1.42 x 1.98
AI: Aorto-Iliac	R: 0.88 x 0.88 x 1.50	R: 0.88 x 0.88 x 0.99 UL
UL: Upper Leg	M: 1.13 x 1.77 x 2.20	M: 0.97 x 0.97 x 0.98
LL: Lower Leg	R: 0.88 x 0.88 x 1.10	R: 0.52 x 0.52 x 0.49 LL
Image Matrix (Pixel)	512 x 512	512 x 512
Acquisition Time (s)	12.60 / 13.40 / 35.90	100 / 111 / 174
Fat Saturation (yes/no)	no	no
Contrast Agent Application	Dynamic	
<b>Test Bolus Contrast Media</b>		
Application Type	furoscopic triggering!	
<b>MR Angiography</b>		
Application Type	automated	
Volume Gadofosveset (ml)	10	
Flow Rate (ml/s)	1.20	
<b>NaCl</b>		
Application Type	automated	
Volume (ml)	30	
Flow Rate (ml/s)	0.60	
MR Equipment 2		
Coil(s)	Syn-Head/Neck coil	
MR Sequence Parameters	Dynamic	Steady State
Sequence	n/a	3D FFE T1
Repetition Time (ms)	n/a	4.70
Echo Time (ms)	n/a	1.56
Flip Angle (°)	n/a	40
Bandwidth (Hz/Pixel)	n/a	434
Slice Thickness (mm)	n/a	0.50
Number of Slices	n/a	130
FOV (mm)	n/a	350
Phase Field of View (%)	n/a	50
Acquisition Matrix (Pixel)	n/a	400x300 / 416x312 / 464x348
Resolution (mm <sup>2</sup> )	n/a	G:0.81x0.81x1.00 → R:0.68x0.68x0.50
Image Matrix (Pixel)	n/a	512 x 512
Acquisition Time (s)	n/a	67
Fat Saturation (yes/no)	n/a	no

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