

Supplementary Table 1 GE inventio MR 750

	HR-2D T2WI	HR-3D T1WI	SWI	DWI	SATISDATIO	T2WI	T1WI	T2* WI	3D TOF MRA
Sequentia nomen	FSE	CUBE a	Swan/ESWAN†	DWI	SATISDATIO	T2WI	T1WI	GR-T2*	3D TOF MRA
TR (ms)	2500-3600	500-600	22.4-77.8	NA	NA	NA	NA	NA	NA
TE (ms)	50-56	15-18	20-45	NA	NA	NA	NA	NA	NA
TI (ms)	NA	NA	NA	NA	NA	NA	NA	NA	NA
FA (°)	90-111	90-150	10-25	NA	NA	NA	NA	NA	NA
ST (mm)	1.5-2	0.8	1-4	NA	NA	NA	NA	NA	NA
Reconstruction ST(mm)	NA	0.4	NA	NA	NA	NA	NA	NA	NA
Hiatus (mm)	0.2-0.3	NA	NA	NA	NA	NA	NA	NA	NA
	HR-2D T2WI	HR-3D T1WI	SWI	DWI	SATISDATIO	T2WI	T1WI	T2* WI	3D TOF MRA
Numerus Verre	12-13	120-158	40-192	NA	NA	NA	NA	NA	NA
FOV (mm)	130	NA	NA	NA	NA	NA	NA	NA	NA
Acquisitionem propensionis	Obliquus sagittalis	Coronal Obliquus	Axial Obliquus	Axial R/L Obliquus	Axial A/P Obliquus	Axial A/P Obliquus	Axial A/P Obliquus	Axial Obliquus	Axial A/P Obliquus
Adeptio matrix	256* 256 384* 256	256* 256 288* 288 320* 256	320* 224 320* 256 384* 224 384*320 448*320	NA	NA	NA	NA	NA	NA
Reconstruction matrix	512*512	512*512	NA	NA	NA	NA	NA	NA	NA
Numerum signum acquisitionis	2-4	1	NA	NA	NA	NA	NA	NA	NA
Sensitivo ecode factor	NA	2 (RL)	NA	NA	NA	NA	NA	NA	2(AP)
Oversampling factor	Ita	NA	NA	NA	NA	NA	NA	NA	1.8-3
	HR-2D T2WI	HR-3D T1WI	SWI	DWI	SATISDATIO	T2WI	T1WI	T2* WI	3D TOF MRA

Echo agmine tandem	24	24	NA	NA	NA	NA	NA	NA	NA
Tempus acquisitionis (min: sec)	1, 15-4, 54;	3:43-6:17	NA	NA	NA	NA	NA	NA	NA

Abbreviations: HR-2D T2WI, high-resolution two-dimensional T2-weighted imaging; HR-3D T1WI, high-resolution three-dimensional T1-weighted imaging; SWI, susceptibility-weighted imaging; DWI, diffusion-weighted imaging; FLAIR, fluid-attenuated inversion recovery imaging; T1WI, T1-weighted imaging; T2WI, T2-weighted imaging; T2WI, T2-weighted imaging; GRE, gradient echo; 3D TOF MRA, three-dimensional time-of-flight magnetic resonance angiography; FSE, fast spin echo; TR, repetition time; TE, echo time; TI, inversion time; FA, flip angle; ST, slice thickness; FOV, field of view; R/L, right/left; A/P, anterior/posterior; NA, not applicable.

Supplementary Table 2. Siemens scanner model

	HR-2D T2WI	HR-3D T1WI	SWI	DWI	SATISDATIO	T2WI	T1WI	T2* WI	3D TOF MRA
Sequentia nomen	FSE/*TSE	SPATIUM a	SWI/ Swan ^a	NA	NA	NA	NA	NA	NA
TR (ms)	2500-4000	500-900	27-28	NA	NA	NA	NA	NA	NA
TE (ms)	45-70	11-22	20	NA	NA	NA	NA	NA	NA
TI (ms)	NA	NA	NA	NA	NA	NA	NA	NA	NA
FA (°)	120-150	120	15	NA	NA	NA	NA	NA	NA
ST (mm)	2.0	0.63-0.8	1.2-3	NA	NA	NA	NA	NA	NA
Reconstruction ST(mm)	NA	0.3-0.4	NA	NA	NA	NA	NA	NA	NA
Hiatus (mm)	0-0.2	NA	NA	NA	NA	NA	NA	NA	NA
Numerus Verre	9-22	60-192	40-120	NA	NA	NA	NA	NA	NA
FOV (mm)	130-140	160-215	NA	NA	NA	NA	NA	NA	NA
Acquisitionem propensionis	Obliquus sagittalis R >> L	Coronal R >> L	Axial R >> L	Axial A >> P	Axial R >> L	Axial R >> L	Axial Sagittal A >> P	Axial	Axial R >> L
	HR-2D T2WI	HR-3D T1WI	SWI	DWI	SATISDATIO	T2WI	T1WI	T2* WI	3D TOF MRA
Adeptio matrix	256* 256 320*320	256* 256 256* 270	256* 223 256* 243 256* 256 320*320 320*240	NA	NA	NA	NA	NA	NA
Reconstruction matrix	512*512	512*512	NA	NA	NA	NA	NA	NA	NA
Numerum signum acquisitionis	4-5	1-2	NA	NA	NA	NA	NA	NA	NA
Oversampling factor	Ita	NA	NA	NA	NA	NA	NA	NA	NA

Echo agmine tandem	14-32	19-71	NA	NA	NA	NA	NA	NA	NA
Tempus acquisitionis (min: sec)	2:40-7:23;	4, 47-7:51;	NA	NA	NA	NA	NA	NA	NA

Abbreviations: HR-2D T2WI, high-resolution two-dimensional T2-weighted imaging; HR-3D T1WI, high-resolution three-dimensional T1-weighted imaging; SWI, susceptibility-weighted imaging; DWI, diffusion-weighted imaging; FLAIR, fluid-attenuated inversion recovery; T1WI, T1-weighted imaging; T2WI, T2-weighted imaging; T2WI, T2-weighted imaging; GRE, gradient echo; 3D TOF MRA, three-dimensional time-of-flight magnetic resonance angiography; FSE, fast spin echo; TR, repetition time; TE, echo time; TI, inversion time; FA, flip angle; ST, slice thickness; FOV, field of view; R/L, right/left; A/P, anterior/posterior; NA, not applicable.

Supplementary Table 3. Philips scanner model

	HR-2D T2WI	HR-3D T1WI	SWI	DWI	SATISDATIO	T2WI	T1WI	T2* WI	3D TOF MRA
Sequentia nomen	FSE/TSE/FS T2W_DRIVE ^a	T1W VISTA ^a	Swan ^a / VEN_BOLD_HR ^a	NA	NA	NA	NA	NA	NA
TR (ms)	2500-3400	400-800	14-19	NA	NA	NA	NA	NA	NA
TE (ms)	55-60	18-19	20-27	NA	NA	NA	NA	NA	NA
TI (ms)	NA	NA	NA	NA	NA	NA	NA	NA	NA
FA (°)	90-120	90	10-11	NA	NA	NA	NA	NA	NA
ST (mm)	2	0.8	1	NA	NA	NA	NA	NA	NA
Reconstruction ST(mm)	2	0.4	NA	NA	NA	NA	NA	NA	NA
Hiatus (mm)	0.3-1	NA	NA	NA	NA	NA	NA	NA	NA
Numerus scalpere	12-28	130-140	120-240	NA	NA	NA	NA	NA	NA
FOV (mm)	130-200	180-200	NA	NA	NA	NA	NA	NA	NA
Acquisitionem propensionis	Obliquus sagittalis A >> P	Coronal R >> L	Axial R >> L	Axial A >> P	Axial R >> L	Axial R >> L A >> P	Axial R >> L	Axial R >> L	Axial R >> L
	HR-2D T2WI	HR-3D T1WI	SWI	DWI	SATISDATIO	T2WI	T1WI	T2* WI	3D TOF MRA
Adeptio matrix	260*201 260*248 360* 360 360* 398	240*236 316*316 316*317 332*301	220* 180 236* 205 276* 197 244* 200	NA	NA	NA	NA	NA	NA
Reconstruction matrix	800*800	480*480	NA	NA	NA	NA	NA	NA	NA
Numerum signum acquisitionis	2-4	1-2	NA	NA	NA	NA	NA	NA	NA
Sensitivo ecode factor	1.5	1.8-2	NA	NA	NA	NA	NA	NA	NA

Oversampling factor	NA	NA	NA	NA	NA	NA	NA	NA	NA
Echo agmine tandem	10-19	24-30	NA	NA	NA	NA	NA	NA	NA
Tempus acquisitionis (min: sec)	3:36-5, 33 .;	VI, 5-7: 57»	NA	NA	NA	NA	NA	NA	NA

Abbreviations: HR-2D T2WI, high-resolution two-dimensional T2-weighted imaging; HR-3D T1WI, high-resolution three-dimensional T1-weighted imaging; SWI, susceptibility-weighted imaging; DWI, diffusion-weighted imaging; FLAIR, fluid-attenuated inversion recovery; T1WI, T1-weighted imaging; T2WI, T2-weighted imaging; T2WI, T2-weighted imaging; GRE, gradient echo; 3D TOF MRA, three-dimensional time-of-flight magnetic resonance angiography; FSE, fast spin echo; TR, repetition time; TE, echo time; TI, inversion time; FA, flip angle; ST, slice thickness; FOV, field of view; R/L, right/left; A/P, anterior/posterior; NA, not applicable.