

**On-line Table: Scan protocols**

	3T MR Imaging	7T MR Imaging
TIWI	3D FFE	MPRAGE
TE	4.6 ms	2.1 ms
TR	9.4 ms	8.0 ms
Flip angle	8°	8°
Section thickness	2.0 mm	0.9 mm
T2WI	Single-shot TSE	Single-shot TSE
TE	90 ms	292 ms
TR	15,000 ms	2700 ms
Flip angle	90°	90°
Section thickness	2.0 mm	1.5 mm
SWI	FFE EPI	3D-FFE EPI
TE	30 ms	18.7 ms
TR	53 ms	28 ms
Flip angle	15°	14°
Section thickness	2.0 mm	8.0 mm
EPI factor	3	3
Reconstruction voxel	0.31 × 0.31 × 1.00 mm	0.55 × 0.55 × 0.27 mm
MRA	MRA-3D	3D-Inflow
TE	4.0 ms	2.8 ms
TR	21.0 ms	10.6 ms
Flip angle	20°	20°
Reconstruction voxel	0.19 × 0.18 × 0.50 mm	0.30 × 0.30 × 0.20 mm
MRV	3D-PCA	3D-PCA
TE	19 ms	6.4 ms
TR	8 ms	10 ms
Flip angle	10°	10°
Reconstruction voxel	0.45 × 0.45 × 1.00 mm	0.75 × 0.75 × 0.45 mm
Velocity (velocity encoding)	7 cm/s	7 cm/s
Single-voxel MR spectroscopy	PRESS	sLaser
TE	35 ms	36 ms
TR	2000 ms	5000 ms
Phase cycles	16	16
No. of averages	64	64
Spectral bandwidth	2000 Hz	4000 Hz
No. of samples	1024	2048

**Note:**—FFE indicates fast-field echo; PRESS, point-resolved spectroscopy sequence; sLaser, semi-Laser; PCA, phase contrast angiography.