**S1 Table. Complete MR Imaging Protocol.**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MR-Sequence** | **Weighting / Sequence Type** | **ST (mm)** | **Voxel size, In-plane (mm2)** | **FOV (mm)** | **Matrix** | **TR (ms)** | **TE (ms)** | **TI (ms)** | **Flip angle (°)** |
| **Brain** |  |  |  |  |  |  |  |  |  |
| TOF | TOF | 1 | 0.6 x 0.6 | 181 x 200 | 320 x 275 | 20 | 3.43 | N/A | 18 |
| SWI | SWI | 2.5 | 0.9 x 0.9 | 208 x 230 | 256 x 223 | 27 | 20 | N/A | 15 |
| FLAIR | T2, SPACE | 0.9 | 0.5 x 0.5 | 245 x 245 | 256 x 256 | 5000 | 389 | 1800 | 120 |
| **Plaque** |  |  |  |  |  |  |  |  |  |
| T1w carotid plaque | T1w fs | 3 | 0.3 x 0.3 | 165 x 220 | 320 x 240 | 800 | 13 | N/A | 180 |
| **Cardiac Function / Myocardium** | |  |  |  |  |  |  |  |  |
| Cine SAX | SSFP | 8 | 1.5 x 1.5 | 297 x 360 | 240 x 160 | 29.97 | 1.46, 10sl | N/A | 62 |
| Cine LAX | SSFP | 8 | 1.5 x 1.5 | 297 x 360 | 240 x 160 | 29.97 | 1.46 | N/A | 63 |
| MOLLI | T1w | 8 | 1.5 x 1.5 | 323 x 380 | 256 x 144 | 250 - 400 | 1.1 | 100 - 3500 | 35 |
| LGE | FLASH | 8 | 1.4 x 1.4 | 300 x 360 | 256 x 140 | 700 - 1000 | 1.55 | 280 - 345 | 20 - 55 |
| **Hepatic Adipose Content** |  |  |  |  |  |  |  |  |  |
| Dual-echo Dixon | VIBE | 3 | 1.2 x 1.2 | 308 x 380 | 320 x 195 | 4.10 | 1.23; 2.46 | N/A | 9 |
| Multi-echo Dixon | VIBE | 4 | 1.8 x 1.8 | 393 x 450 | 256 x 179 | 8.90 | 1.23; 2.46; 3.69; 4.92; 6.15; 7.38 | N/A | 4 |
| Spectroscopy | STEAM | N/A | 30 x 30 x 30\* | N/A | N/A | 3000 | 12.00; 24.00; 36.00; 48.00; 72.00 | N/A | N/A |
| **Body Adiopose Content / Anatomy** | |  |  |  |  |  |  |  |  |
| Dual-echo Dixon | VIBE | 1.7 | 1.7 x 1.7 | 488 x 716 | 256 x 256 | 4.06 | 1.26; 2.49 | N/A | 9 |
| HASTE | T2 | 5 | 1.2 x 1.2 | 296 x 380 | 320 x 200 | 1000 | 91 | N/A | 131 |

**Cardiovascular Whole-Body MRI Protocol:** *TOF* Time of flight, *SWI* Susceptibility weighted imaging, *FLAIR* Fluid attenuated inversion recovery, *T2* T2 weighted, *SPACE* Sampling perfection with application optimized contrasts using different flip angle evolution, *T1w* T1 weighted, *T1w fs* T1 weighted fat saturated, *SAX* short axis, *LAX* long axis, *SSFP* Steady state with free precession, *MOLLI* modified look-locker inversion recovery, *LGE* Late gadolinium enhancement, *FLASH* fast low-angle shot, *VIBE* volume interpolated breathhold examination, *STEAM* Stimulated echo acquisition method, *HASTE* Half fourier acquisition single shot turbo spin echo, *\** voxel size.