### Supplementary Table 1 - Characteristics of the sequences acquired on the 1.5T MR scanner.

| Scanning sequence and options | TR (ms) | TE (ms) | FOV (mm) | Acquisition matrix (mm) | Slice thickness (mm) | Reconstructed voxel (mm) | Acquisition time (seconds) |
|-------------------------------|---------|---------|----------|-------------------------|---------------------|--------------------------|------------------------------|
| 3D T1 CE                      | 25      | 5       | 256      | 256x256                 | 1                   | 1x1x1                    | 512                          |
| 3D FLAIR                      | 4800    | 320     | 240      | 240x240                 | 1                   | 1x1x1                    | 240                          |
| DTI                           | 3733    | 99      | 224      | 92x90                   | 2.5                 | 1.75x1.75x2.5            | 694                          |
| DCE                           | 4       | 1.9     | 230      | 96x96                   | 5                   | 2.05x2.05x2.5            | 466                          |
| DSC                           | 1650    | 40      | 230      | 76x61                   | 5                   | 2.05x2.05x5              | 137                          |

The scanner was a Philips Achieva (Philips Healthcare, Best, Netherlands). GE = gradient echo, EPI = Echo Planar Imaging, IR = inversion recovery, SE = Spin Echo, CE = contrast-enhanced, TI = Time of inversion.

### Supplementary Table 2 - Characteristics of the sequences acquired on the 3T MR scanner.

| Scanning sequence and options | TR (ms) | TE (ms) | FOV (mm) | Acquisition matrix (mm) | Slice thickness (mm) | Reconstructed voxel (mm) | Acquisition time (seconds) |
|-------------------------------|---------|---------|----------|-------------------------|---------------------|--------------------------|------------------------------|
| 3D T1 CE                      | 11      | 5       | 256      | 284x190                 | 0.9                 | 0.8x0.8x0.9              | 321                          |
| 3D FLAIR                      | 9000    | 300     | 230      | 204x204                 | 1.2                 | 0.7x0.7x0.7              | 486                          |
| DTI                           | 3200    | 80      | 240      | 96x94                   | 2.5                 | 0.94x0.94x2.5            | 215                          |
| DCE                           | 4       | 1.8     | 230      | 96x96                   | 5                   | 2.05x2.05x2.5            | 382                          |
| DSC                           | 1500    | 40      | 230      | 96x78                   | 5                   | 2.05x2.05x5              | 124                          |

The scanner was an Ingenia CX (Philips Healthcare, Best, Netherlands). GE = gradient echo, EPI = Echo Planar Imaging, IR = inversion recovery, SE = Spin Echo, CE = contrast-enhanced, TI = Inversion Time.