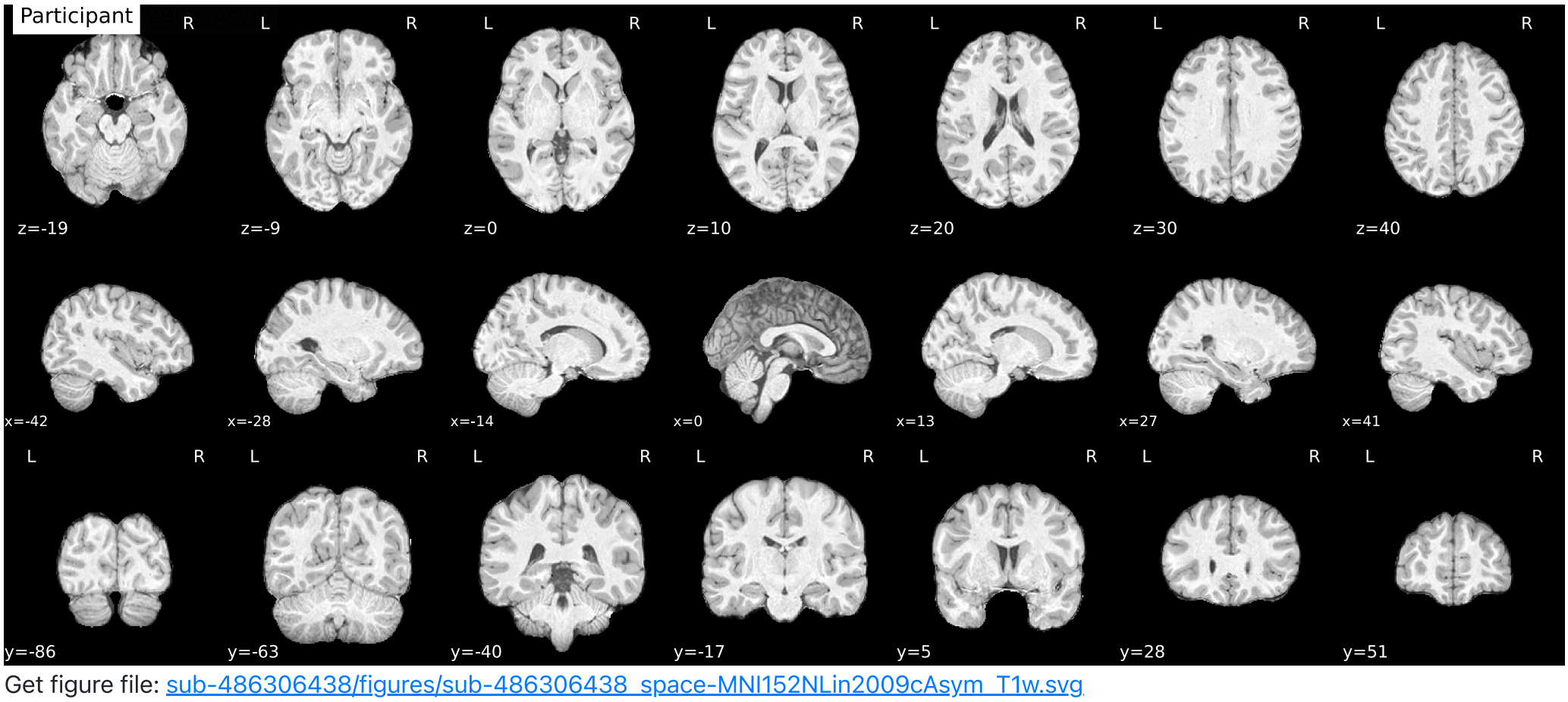

Get figure file: sub-486306438/figures/sub-486306438_space-MNI152NLin2009cAsym_T1w.svg

Arterial Spin Labelling

Reports for: session PNC1, task rest, acquisition se.

Summary

- Repetition time (TR): 4s
- Phase-encoding (PE) direction: Anterior-Posterior
- Slice timing correction: Applied
- Susceptibility distortion correction: None
- Registration: FSL `flirt` rigid registration - 6 dof
- Confounds collected: std_dvars, dvars, framewise_displacement, trans_x, trans_y, trans_z, rot_x, rot_y, rot_z
- Motion summary measures: FD : 0.091, relRMS: 0.0004
- Coregistration quality: Dice Index: 0.9978, Jaccard Index: 0.9956, Cross Cor.: 0.9972, Coverage: 1.0
- Normalization quality: Dice Index: 0.9693, Jaccard Index: 0.9404, Cross Cor.: 0.9611, Coverage: 0.9697
- Quality evaluation index : cbf: 0.7934,score: 0.8065,scrub: 0.8535, basil: 0.8466, pvc: 0.8426
- Mean CBF (mL 100/g/min) : GM CBF: 75.49, WM CBF: 31.64, GM/WM CBF ratio: 2.39
- Percentage of negative voxel : cbf: 0.74, score: 0.69, scrub: 0.21, basil: 0.0, pvc: 0.0

Alignment of asl and anatomical MRI data (surface driven)

FSL `flirt` was used to generate transformations from EPI-space to T1w-space - The white matter mask calculated with FSL `fast` (brain tissue segmentation) was used for BBR. Note that Nearest Neighbor interpolation is used in the reportlets in order to highlight potential spin-history and other artifacts, whereas final images are resampled using Lanczos interpolation.