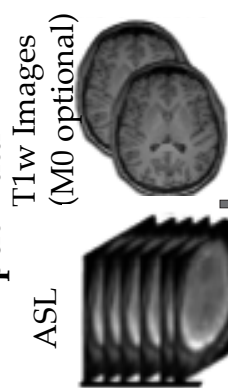
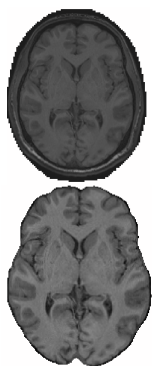


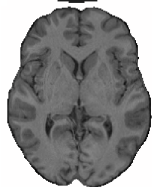
Input Data



Anatomical Preprocessing



Bias Correction
Intensity Uniformity
Align T1w Images



Brain Extraction



Alignment of
T1w and ASL

ASL Preprocessing

Reference Generation
Brain Masking



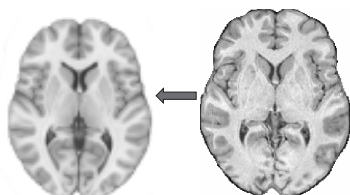
Slice Timing Correction
Head Motion Correction
Distortion Correction



Confounds
Extraction

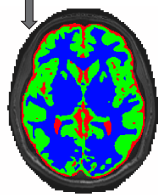


Preprocessed
ASL



Template

Spatial
Normalization



Brain Tissue
Segmentation

Regional Quantification in ASL Space



Atlas

Regional Quantification
of Voxelwise Maps

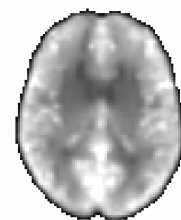
Regional
Mean CBF



CBF Computation and Denoising



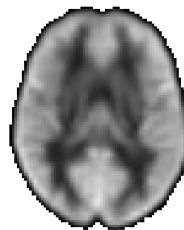
SCRUB CBF



PVC CBF



Standard CBF



BASIL CBF