## **Supporting Materials**

## Figure S1

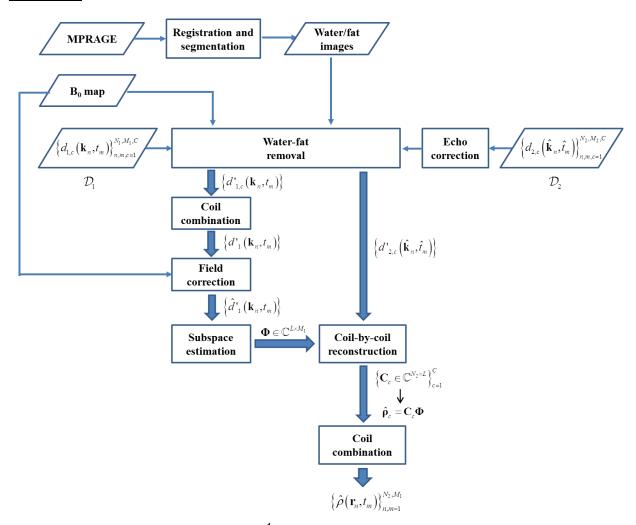


Figure S1: Data processing pipeline for  $^1\text{H-MRSI}$  of the brain using SPICE. The lower case letter c denotes the coil index.  $d'_{1,c}(\cdot)$  and  $d'_{2,c}(\cdot)$  denote the water-fat removed  $D_1$  and  $D_2$  for all the coils. The variables without the coil index denote the data after coil combination.