File Name: Supplementary Software 1

**Description**: Source code of scoring system used

File Name: Supplementary Movie 1

**Description**: Examplary bottleneck situation in temporal lobe area of simulated phantom

File Name: Supplementary Movie 2

**Description**: Examplary bottleneck situation in temporal lobe area of in-vivo HCP data set

**File Name**: Supplementary Movie 3

**Description**: Visualization of the phantom raw diffusion-weighted images