

Table 1
Quantitative mean K-index and standard deviation results of 18 real images from IBSR dataset

Methods	White matter (%)		Grey matter (%)	
	Mean	Standard deviation	Mean	Standard deviation
EM	86.01	2.24	74.47	5.57
SPM 5	85.30	3.90	74.93	13.88
HMC	86.91	1.67	76.18	5.81
NL- FCM	84.83	3.87	74.82	4.26
FCM	85.21	3.74	78.91	4.43
Proposed-Method	88.09	1.58	80.35	4.01