

It is automatic and we use T1, FLAIR and IR as input. In our method, we use random forest with auto-context scheme to train a sequence of classifiers. We use the provided 5 subjects with manual label to train the classifiers. We classify the brain image into 9 labels (8 provided labels + skull) simultaneously. It costs around 10 hours to train 10 layers of classifiers and 3 mins to classifying a new target image, based on a computer cluster (2.93 GHz Intel processors, 12 M L3 cache, and 48 GB memory).

More detail is provided here:

<http://www.sciencedirect.com/science/article/pii/S1053811914010349...>