

On-line Table 1: Correlation of neuropsychological assessment score with mean diffusivity in the ETCI group

Neuropsychological Tests and Regions	P Value
WCST (categories completed)	
Right medial frontal gyrus	.0001
Left anterior thalamic radiations	.00001
Right cerebellum posterior lobe	.0002
Left cerebellum posterior lobe	.00002
WCST (perseverative response)	.0001
Left anterior thalamic radiations	.00001
Right superior longitudinal fasciculus	.0003
Left superior longitudinal fasciculus	.00003
Left uncinate fasciculus	.00001
Left cerebellum posterior lobe	.0001
Stroop Test (interference)	
Left anterior thalamic radiations	.0001
Right superior longitudinal fasciculus	.00001
Left cerebellum posterior lobe	.0001
Color Trails Test	
Right anterior thalamic radiations	.00002
Right superior longitudinal fasciculus	.00003
Left superior longitudinal fasciculus	.0001
Line Orientation Test (correct response)	
Right parietal lobe (supramarginal)	.0001
Right occipital lobe	.00004
WMS Spatial Span Test (backward)	
Right medial frontal gyrus	.0001
Right cingulate gyrus	.00001
Right anterior thalamic radiations	.0001
Left anterior thalamic radiations	.00009
Right superior longitudinal fasciculus	.0001
Right cerebellum posterior lobe	.00001
WMS Face Recognition Test (IR)	
Right inferior longitudinal fasciculus	.00001
WMS Face Recognition Test (DR)	.0002
Right inferior longitudinal fasciculus	.00001
Left inferior longitudinal fasciculus	.00002
RAVLT (IR)	
Right inferior longitudinal fasciculus	.00001
Right uncinate fasciculus	.0001
Right cerebellum posterior lobe	.0001
Left cerebellum posterior lobe	.00004
RAVLT (DR)	
Right anterior thalamic radiations	.0001
Right inferior longitudinal fasciculus	.00001
Right uncinate fasciculus	.00003

Note:—DR indicates delayed recall; IR, immediate recall; RAVLT, Rey Auditory Verbal Learning Test; WCST, Wisconsin Card Sorting Test; WMS, Wechsler Memory Scale.

On-line Table 2: Correlation of neuropsychological assessment score with radial diffusivity in the ETCI group

Neuropsychological Tests and Regions	P Value
WCST (categories completed)	
Right medial frontal gyrus	.0001
Right cingulate gyrus	.00001
Left anterior thalamic radiations	.0002
Right cerebellum posterior lobe	.0001
Left cerebellum posterior lobe	.00001
WCST (perseverative response)	
Left anterior thalamic radiations	.0001
Right superior longitudinal fasciculus	.0003
Right inferior longitudinal fasciculus	.0002
Left uncinate fasciculus	.00001
Stroop Test (interference)	
Left anterior thalamic radiations	.00001
Right superior longitudinal fasciculus	.00002
Left superior longitudinal fasciculus	.0002
Left uncinate fasciculus	.0001
Left cerebellum posterior lobe	.0001
Color Trails Test	
Right anterior thalamic radiations	.00001
Left anterior thalamic radiations	.0003
Right superior longitudinal fasciculus	.00004
Left superior longitudinal fasciculus	.00002
Line Orientation Test (correct response)	
Right parietal lobe (supramarginal)	.0001
Right occipital lobe	.00001
WMS Spatial Span Test (backward)	
Right medial frontal gyrus	.0001
Right cingulate gyrus	.00002
Right anterior thalamic radiations	.0001
Left anterior thalamic radiations	.00001
Right superior longitudinal fasciculus	.0001
Right cerebellum posterior lobe	.0001
WMS Face Recognition Test (IR)	
Right inferior longitudinal fasciculus	.0001
WMS Face Recognition Test (DR)	
Right anterior thalamic radiations	.00001
Right inferior longitudinal fasciculus	.00006
Left inferior longitudinal fasciculus	.0001
RAVLT (IR)	
Right inferior longitudinal fasciculus	.00001
Left inferior longitudinal fasciculus	.0001
Right cerebellum posterior lobe	.0002
Left cerebellum posterior lobe	.0001
RAVLT (DR)	
Right anterior thalamic radiations	.0001
Right inferior longitudinal fasciculus	.00007
Right uncinate fasciculus	.00001

Note:—DR indicates delayed recall; IR, immediate recall; RAVLT, Rey Auditory Verbal Learning Test; WCST, Wisconsin Card Sorting Test; WMS, Wechsler Memory Scale.

On-line Table 3: Correlation of neuropsychological assessment score with axial diffusivity in the ETCl group

Neuropsychological Tests and Regions	P Value
WCST (categories completed)	
Right cingulate gyrus	.00001
Left anterior thalamic radiations	.0001
Left cerebellum posterior lobe	.0002
Stroop Test (interference)	
Left anterior thalamic radiations	.0001
Right superior longitudinal fasciculus	.00001
Left uncinate fasciculus	.0002
Left cerebellum posterior lobe	.00001
Color Trails Test	
Right anterior thalamic radiations	.00003
WMS Face Recognition Test (IR)	
Right inferior longitudinal fasciculus	.0002
WMS Face Recognition Test (DR)	
Right inferior longitudinal fasciculus	.00001
Left inferior longitudinal fasciculus	.00005
RAVLT (IR)	
Left inferior longitudinal fasciculus	.0001
Right uncinate fasciculus	.00001
Right cerebellum posterior lobe	.00002
RAVLT (DR)	
Right anterior thalamic radiations	.0001
Right inferior longitudinal fasciculus	.0001

Note:—DR indicates delayed recall; IR, immediate recall; RAVLT, Rey Auditory Verbal Learning Test; WCST, Wisconsin Card Sorting Test; WMS, Wechsler Memory Scale.