Subcortical – MD (All Data)

Region	Clinical Var	Before	After
globus_pallidus	SDMT	r=0.06; p=0.395	r=-0.00; p=0.977
globus_pallidus	EDSS	r=-0.18; p=0.012	r=0.07; p=0.294
globus_pallidus	SSST	r=-0.20; p=0.004	r=0.04; p=0.559
globus_pallidus	SixMWT	r=0.25; p=0.000	r=-0.04; p=0.589
globus_pallidus	VOL_Lesion	r=-0.15; p=0.030	r=0.13; p=0.070
putamen	SDMT	r=0.17; p=0.017	r=-0.04; p=0.578
putamen	EDSS	r=-0.29; p=0.000	r=0.11; p=0.109
putamen	SSST	r=-0.34; p=0.000	r=0.04; p=0.611
putamen	SixMWT	r=0.39; p=0.000	r=-0.02; p=0.755
putamen	VOL_Lesion	r=-0.17; p=0.016	r=0.34; p=0.000
caudate	SDMT	r=-0.42; p=0.000	r=-0.06; p=0.387
caudate	EDSS	r=0.54; p=0.000	r=0.08; p=0.247
caudate	SSST	r=0.53; p=0.000	r=0.09; p=0.233
caudate	SixMWT	r=-0.55; p=0.000	r=-0.02; p=0.809
caudate	VOL_Lesion	r=0.56; p=0.000	r=0.34; p=0.000
hippocampus	SDMT	r=-0.43; p=0.000	r=-0.09; p=0.206
hippocampus	EDSS	r=0.47; p=0.000	r=0.13; p=0.073
hippocampus	SSST	r=0.48; p=0.000	r=0.14; p=0.046
hippocampus	SixMWT	r=-0.49; p=0.000	r=-0.15; p=0.038
hippocampus	VOL_Lesion	r=0.52; p=0.000	r=0.34; p=0.000
thalamus	SDMT	r=-0.41; p=0.000	r=0.02; p=0.780
thalamus	EDSS	r=0.50; p=0.000	r=-0.03; p=0.679
thalamus	SSST	r=0.51; p=0.000	r=0.00; p=0.979
thalamus	SixMWT	r=-0.53; p=0.000	r=0.05; p=0.497
thalamus	VOL_Lesion	r=0.55; p=0.000	r=0.32; p=0.000

Subcortical – MD (Cohort EXBRAIN)

Region	Clinical Var	Before	After
globus_pallidus	SDMT	r=0.10; p=0.354	r=0.10; p=0.354
globus_pallidus	EDSS	r=-0.06; p=0.556	r=-0.06; p=0.556
globus_pallidus	SSST	r=-0.02; p=0.884	r=-0.02; p=0.884
globus_pallidus	SixMWT	r=0.00; p=0.979	r=0.00; p=0.979
globus_pallidus	VOL_Lesion	r=-0.05; p=0.668	r=-0.05; p=0.668
putamen	SDMT	r=-0.03; p=0.816	r=-0.03; p=0.816
putamen	EDSS	r=0.01; p=0.897	r=0.01; p=0.897
putamen	SSST	r=0.05; p=0.636	r=0.05; p=0.636
putamen	SixMWT	r=-0.03; p=0.794	r=-0.03; p=0.794
putamen	VOL_Lesion	r=0.43; p=0.000	r=0.43; p=0.000
caudate	SDMT	r=-0.14; p=0.205	r=-0.14; p=0.205
caudate	EDSS	r=0.19; p=0.081	r=0.19; p=0.081
caudate	SSST	r=0.20; p=0.060	r=0.20; p=0.060
caudate	SixMWT	r=-0.16; p=0.137	r=-0.16; p=0.137
caudate	VOL_Lesion	r=0.62; p=0.000	r=0.62; p=0.000
hippocampus	SDMT	r=0.01; p=0.917	r=0.01; p=0.917
hippocampus	EDSS	r=-0.01; p=0.940	r=-0.01; p=0.940
hippocampus	SSST	r=0.09; p=0.392	r=0.09; p=0.392
hippocampus	SixMWT	r=-0.02; p=0.876	r=-0.02; p=0.876
hippocampus	VOL_Lesion	r=0.37; p=0.001	r=0.37; p=0.001
thalamus	SDMT	r=-0.08; p=0.483	r=-0.08; p=0.483
thalamus	EDSS	r=0.10; p=0.363	r=0.10; p=0.363
thalamus	SSST	r=0.14; p=0.188	r=0.14; p=0.188
thalamus	SixMWT	r=-0.14; p=0.214	r=-0.14; p=0.214
thalamus	VOL_Lesion	r=0.69; p=0.000	r=0.69; p=0.000

Subcortical – MD (Cohort EMSES)

Region	Clinical Var	Before	After
globus_pallidus	SDMT	r=-0.15; p=0.204	r=-0.15; p=0.204
globus_pallidus	EDSS	r=0.28; p=0.016	r=0.28; p=0.016
globus_pallidus	SSST	r=0.18; p=0.118	r=0.18; p=0.118
globus_pallidus	SixMWT	r=-0.22; p=0.056	r=-0.22; p=0.056
globus_pallidus	VOL_Lesion	r=0.53; p=0.000	r=0.53; p=0.000
putamen	SDMT	r=0.07; p=0.529	r=0.07; p=0.529
putamen	EDSS	r=0.15; p=0.188	r=0.15; p=0.188
putamen	SSST	r=-0.04; p=0.748	r=-0.04; p=0.748
putamen	SixMWT	r=-0.00; p=0.992	r=-0.00; p=0.992
putamen	VOL_Lesion	r=0.24; p=0.043	r=0.24; p=0.043
caudate	SDMT	r=0.12; p=0.317	r=0.12; p=0.317
caudate	EDSS	r=-0.06; p=0.607	r=-0.06; p=0.607
caudate	SSST	r=-0.03; p=0.779	r=-0.03; p=0.779
caudate	SixMWT	r=-0.09; p=0.461	r=-0.09; p=0.461
caudate	VOL_Lesion	r=0.09; p=0.448	r=0.09; p=0.448
hippocampus	SDMT	r=-0.25; p=0.033	r=-0.25; p=0.033
hippocampus	EDSS	r=0.36; p=0.002	r=0.36; p=0.002
hippocampus	SSST	r=0.31; p=0.008	r=0.31; p=0.008
hippocampus	SixMWT	r=-0.48; p=0.000	r=-0.48; p=0.000
hippocampus	VOL_Lesion	r=0.50; p=0.000	r=0.50; p=0.000
thalamus	SDMT	r=0.21; p=0.070	r=0.21; p=0.070
thalamus	EDSS	r=-0.15; p=0.211	r=-0.15; p=0.211
thalamus	SSST	r=-0.13; p=0.280	r=-0.13; p=0.280
thalamus	SixMWT	r=0.02; p=0.891	r=0.02; p=0.891
thalamus	VOL_Lesion	r=-0.14; p=0.220	r=-0.14; p=0.220

Subcortical – MD (Cohort PoTOMS)

Region	Clinical Var	Before	After
globus_pallidus	SDMT	r=-0.08; p=0.647	r=-0.08; p=0.647
globus_pallidus	EDSS	r=0.15; p=0.349	r=0.15; p=0.349
globus_pallidus	SSST	r=0.05; p=0.742	r=0.05; p=0.742
globus_pallidus	SixMWT	r=-0.02; p=0.920	r=-0.02; p=0.920
globus_pallidus	VOL_Lesion	r=0.06; p=0.697	r=0.06; p=0.697
putamen	SDMT	r=-0.36; p=0.025	r=-0.36; p=0.025
putamen	EDSS	r=0.18; p=0.277	r=0.18; p=0.277
putamen	SSST	r=0.09; p=0.582	r=0.09; p=0.582
putamen	SixMWT	r=0.07; p=0.657	r=0.07; p=0.657
putamen	VOL_Lesion	r=0.40; p=0.011	r=0.40; p=0.011
caudate	SDMT	r=-0.47; p=0.003	r=-0.47; p=0.003
caudate	EDSS	r=0.23; p=0.155	r=0.23; p=0.155
caudate	SSST	r=0.26; p=0.105	r=0.26; p=0.105
caudate	SixMWT	r=0.00; p=0.995	r=0.00; p=0.995
caudate	VOL_Lesion	r=0.23; p=0.151	r=0.23; p=0.151
hippocampus	SDMT	r=-0.19; p=0.236	r=-0.19; p=0.236
hippocampus	EDSS	r=0.23; p=0.158	r=0.23; p=0.158
hippocampus	SSST	r=0.23; p=0.163	r=0.23; p=0.163
hippocampus	SixMWT	r=-0.26; p=0.117	r=-0.26; p=0.117
hippocampus	VOL_Lesion	r=0.22; p=0.186	r=0.22; p=0.186
thalamus	SDMT	r=-0.49; p=0.002	r=-0.49; p=0.002
thalamus	EDSS	r=-0.02; p=0.920	r=-0.02; p=0.920
thalamus	SSST	r=0.11; p=0.513	r=0.11; p=0.513
thalamus	SixMWT	r=0.17; p=0.302	r=0.17; p=0.302
thalamus	VOL_Lesion	r=0.62; p=0.000	r=0.62; p=0.000

Subcortical – FA (All Data)

Region	Clinical Var	Before	After
globus_pallidus	SDMT	r=-0.17; p=0.018	r=-0.11; p=0.130
globus_pallidus	EDSS	r=0.24; p=0.001	r=0.01; p=0.880
globus_pallidus	SSST	r=0.25; p=0.000	r=0.03; p=0.715
globus_pallidus	SixMWT	r=-0.30; p=0.000	r=-0.04; p=0.568
globus_pallidus	VOL_Lesion	r=0.30; p=0.000	r=0.14; p=0.043
putamen	SDMT	r=-0.24; p=0.001	r=-0.05; p=0.447
putamen	EDSS	r=0.37; p=0.000	r=-0.04; p=0.538
putamen	SSST	r=0.42; p=0.000	r=0.05; p=0.476
putamen	SixMWT	r=-0.45; p=0.000	r=-0.02; p=0.827
putamen	VOL_Lesion	r=0.37; p=0.000	r=0.04; p=0.532
caudate	SDMT	r=0.24; p=0.001	r=-0.10; p=0.141
caudate	EDSS	r=-0.39; p=0.000	r=0.06; p=0.383
caudate	SSST	r=-0.28; p=0.000	r=0.19; p=0.007
caudate	SixMWT	r=0.32; p=0.000	r=-0.19; p=0.006
caudate	VOL_Lesion	r=-0.06; p=0.388	r=0.36; p=0.000
hippocampus	SDMT	r=0.31; p=0.000	r=-0.07; p=0.316
hippocampus	EDSS	r=-0.47; p=0.000	r=-0.04; p=0.538
hippocampus	SSST	r=-0.45; p=0.000	r=-0.02; p=0.741
hippocampus	SixMWT	r=0.50; p=0.000	r=0.04; p=0.533
hippocampus	VOL_Lesion	r=-0.39; p=0.000	r=-0.12; p=0.090
thalamus	SDMT	r=0.10; p=0.151	r=-0.07; p=0.332
thalamus	EDSS	r=-0.03; p=0.627	r=0.08; p=0.275
thalamus	SSST	r=0.06; p=0.401	r=0.18; p=0.013
thalamus	SixMWT	r=-0.03; p=0.685	r=-0.13; p=0.061
thalamus	VOL_Lesion	r=0.01; p=0.890	r=0.03; p=0.630

Subcortical – FA (Cohort EXBRAIN)

Region	Clinical Var	Before	After
globus_pallidus	SDMT	r=-0.18; p=0.108	r=-0.18; p=0.108
globus_pallidus	EDSS	r=0.15; p=0.158	r=0.15; p=0.158
globus_pallidus	SSST	r=0.08; p=0.490	r=0.08; p=0.490
globus_pallidus	SixMWT	r=-0.07; p=0.503	r=-0.07; p=0.503
globus_pallidus	VOL_Lesion	r=0.35; p=0.001	r=0.35; p=0.001
putamen	SDMT	r=-0.16; p=0.133	r=-0.16; p=0.133
putamen	EDSS	r=0.14; p=0.192	r=0.14; p=0.192
putamen	SSST	r=0.28; p=0.010	r=0.28; p=0.010
putamen	SixMWT	r=-0.26; p=0.018	r=-0.26; p=0.018
putamen	VOL_Lesion	r=0.50; p=0.000	r=0.50; p=0.000
caudate	SDMT	r=-0.06; p=0.589	r=-0.06; p=0.589
caudate	EDSS	r=0.07; p=0.545	r=0.07; p=0.545
caudate	SSST	r=0.20; p=0.072	r=0.20; p=0.072
caudate	SixMWT	r=-0.27; p=0.013	r=-0.27; p=0.013
caudate	VOL_Lesion	r=0.57; p=0.000	r=0.57; p=0.000
hippocampus	SDMT	r=-0.09; p=0.424	r=-0.09; p=0.424
hippocampus	EDSS	r=-0.10; p=0.372	r=-0.10; p=0.372
hippocampus	SSST	r=-0.14; p=0.190	r=-0.14; p=0.190
hippocampus	SixMWT	r=0.09; p=0.398	r=0.09; p=0.398
hippocampus	VOL_Lesion	r=-0.47; p=0.000	r=-0.47; p=0.000
thalamus	SDMT	r=-0.07; p=0.530	r=-0.07; p=0.530
thalamus	EDSS	r=0.02; p=0.837	r=0.02; p=0.837
thalamus	SSST	r=0.14; p=0.217	r=0.14; p=0.217
thalamus	SixMWT	r=-0.13; p=0.226	r=-0.13; p=0.226
thalamus	VOL_Lesion	r=0.08; p=0.461	r=0.08; p=0.461

Subcortical – FA (Cohort EMSES)

Region	Clinical Var	Before	After
globus_pallidus	SDMT	r=-0.12; p=0.324	r=-0.12; p=0.324
globus_pallidus	EDSS	r=-0.08; p=0.482	r=-0.08; p=0.482
globus_pallidus	SSST	r=0.00; p=0.999	r=0.00; p=0.999
globus_pallidus	SixMWT	r=0.08; p=0.482	r=0.08; p=0.482
globus_pallidus	VOL_Lesion	r=-0.02; p=0.868	r=-0.02; p=0.868
putamen	SDMT	r=0.00; p=0.967	r=0.00; p=0.967
putamen	EDSS	r=-0.11; p=0.333	r=-0.11; p=0.333
putamen	SSST	r=-0.16; p=0.179	r=-0.16; p=0.179
putamen	SixMWT	r=0.16; p=0.180	r=0.16; p=0.180
putamen	VOL_Lesion	r=-0.36; p=0.001	r=-0.36; p=0.001
caudate	SDMT	r=-0.23; p=0.050	r=-0.23; p=0.050
caudate	EDSS	r=0.28; p=0.015	r=0.28; p=0.015
caudate	SSST	r=0.27; p=0.019	r=0.27; p=0.019
caudate	SixMWT	r=-0.28; p=0.015	r=-0.28; p=0.015
caudate	VOL_Lesion	r=0.32; p=0.006	r=0.32; p=0.006
hippocampus	SDMT	r=-0.24; p=0.042	r=-0.24; p=0.042
hippocampus	EDSS	r=0.17; p=0.142	r=0.17; p=0.142
hippocampus	SSST	r=0.12; p=0.329	r=0.12; p=0.329
hippocampus	SixMWT	r=0.08; p=0.486	r=0.08; p=0.486
hippocampus	VOL_Lesion	r=0.42; p=0.000	r=0.42; p=0.000
thalamus	SDMT	r=-0.14; p=0.238	r=-0.14; p=0.238
thalamus	EDSS	r=0.25; p=0.030	r=0.25; p=0.030
thalamus	SSST	r=0.36; p=0.002	r=0.36; p=0.002
thalamus	SixMWT	r=-0.17; p=0.140	r=-0.17; p=0.140
thalamus	VOL_Lesion	r=0.10; p=0.389	r=0.10; p=0.389

Subcortical – FA (Cohort PoTOMS)

Region	Clinical Var	Before	After
globus_pallidus	SDMT	r=0.03; p=0.876	r=0.03; p=0.876
globus_pallidus	EDSS	r=-0.11; p=0.487	r=-0.11; p=0.487
globus_pallidus	SSST	r=-0.11; p=0.505	r=-0.11; p=0.505
globus_pallidus	SixMWT	r=-0.08; p=0.620	r=-0.08; p=0.620
globus_pallidus	VOL_Lesion	r=0.01; p=0.928	r=0.01; p=0.928
putamen	SDMT	r=-0.02; p=0.890	r=-0.02; p=0.890
putamen	EDSS	r=-0.22; p=0.179	r=-0.22; p=0.179
putamen	SSST	r=0.02; p=0.881	r=0.02; p=0.881
putamen	SixMWT	r=0.02; p=0.904	r=0.02; p=0.904
putamen	VOL_Lesion	r=-0.20; p=0.222	r=-0.20; p=0.222
caudate	SDMT	r=-0.05; p=0.765	r=-0.05; p=0.765
caudate	EDSS	r=-0.29; p=0.074	r=-0.29; p=0.074
caudate	SSST	r=0.12; p=0.463	r=0.12; p=0.463
caudate	SixMWT	r=-0.03; p=0.853	r=-0.03; p=0.853
caudate	VOL_Lesion	r=0.10; p=0.529	r=0.10; p=0.529
hippocampus	SDMT	r=0.01; p=0.947	r=0.01; p=0.947
hippocampus	EDSS	r=-0.16; p=0.338	r=-0.16; p=0.338
hippocampus	SSST	r=0.06; p=0.700	r=0.06; p=0.700
hippocampus	SixMWT	r=0.01; p=0.975	r=0.01; p=0.975
hippocampus	VOL_Lesion	r=-0.07; p=0.681	r=-0.07; p=0.681
thalamus	SDMT	r=0.11; p=0.495	r=0.11; p=0.495
thalamus	EDSS	r=-0.09; p=0.601	r=-0.09; p=0.601
thalamus	SSST	r=-0.19; p=0.250	r=-0.19; p=0.250
thalamus	SixMWT	r=0.10; p=0.548	r=0.10; p=0.548
thalamus	VOL_Lesion	r=-0.23; p=0.152	r=-0.23; p=0.152

White_matter_tract – MD (All Data)

Region	Clinical Var	Before	After
Anterior_thalamic_radiation	SDMT	r=-0.31; p=0.000	r=-0.12; p=0.085
Anterior_thalamic_radiation	EDSS	r=0.37; p=0.000	r=0.15; p=0.038
Anterior_thalamic_radiation	SSST	r=0.37; p=0.000	r=0.16; p=0.023
Anterior_thalamic_radiation	SixMWT	r=-0.33; p=0.000	r=-0.11; p=0.130
Anterior_thalamic_radiation	VOL_Lesion	r=0.74; p=0.000	r=0.64; p=0.000
Corticospinal_tract	SDMT	r=-0.46; p=0.000	r=-0.13; p=0.063
Corticospinal_tract	EDSS	r=0.42; p=0.000	r=0.01; p=0.922
Corticospinal_tract	SSST	r=0.47; p=0.000	r=0.11; p=0.117
Corticospinal_tract	SixMWT	r=-0.43; p=0.000	r=0.00; p=0.997
Corticospinal_tract	VOL_Lesion	r=0.61; p=0.000	r=0.50; p=0.000
Cingulate_gyrus	SDMT	r=-0.43; p=0.000	r=-0.13; p=0.062
Cingulate_gyrus	EDSS	r=0.44; p=0.000	r=0.03; p=0.711
Cingulate_gyrus	SSST	r=0.36; p=0.000	r=-0.02; p=0.778
Cingulate_gyrus	SixMWT	r=-0.38; p=0.000	r=0.04; p=0.624
Cingulate_gyrus	VOL_Lesion	r=0.62; p=0.000	r=0.46; p=0.000
Forceps_major	SDMT	r=-0.29; p=0.000	r=-0.08; p=0.259
Forceps_major	EDSS	r=0.40; p=0.000	r=0.09; p=0.224
Forceps_major	SSST	r=0.37; p=0.000	r=0.05; p=0.502
Forceps_major	SixMWT	r=-0.41; p=0.000	r=-0.05; p=0.510
Forceps_major	VOL_Lesion	r=0.64; p=0.000	r=0.49; p=0.000
Forceps_minor	SDMT	r=-0.45; p=0.000	r=-0.12; p=0.089
Forceps_minor	EDSS	r=0.52; p=0.000	r=0.07; p=0.340
Forceps_minor	SSST	r=0.49; p=0.000	r=0.03; p=0.660
Forceps_minor	SixMWT	r=-0.51; p=0.000	r=0.01; p=0.844
Forceps_minor	VOL_Lesion	r=0.62; p=0.000	r=0.52; p=0.000
fronto_occipital	SDMT	r=-0.48; p=0.000	r=-0.14; p=0.052
fronto_occipital	EDSS	r=0.51; p=0.000	r=0.04; p=0.566
fronto_occipital	SSST	r=0.49; p=0.000	r=0.03; p=0.726
fronto_occipital	SixMWT	r=-0.52; p=0.000	r=-0.01; p=0.892
fronto_occipital	VOL_Lesion	r=0.65; p=0.000	r=0.58; p=0.000
inferior_longitudinal_fasciculus	SDMT	r=-0.44; p=0.000	r=-0.11; p=0.109
inferior_longitudinal_fasciculus	EDSS	r=0.51; p=0.000	r=0.08; p=0.250
inferior_longitudinal_fasciculus	SSST	r=0.46; p=0.000	r=0.01; p=0.900
inferior_longitudinal_fasciculus	SixMWT	r=-0.50; p=0.000	r=-0.04; p=0.581
inferior_longitudinal_fasciculus	VOL_Lesion	r=0.60; p=0.000	r=0.51; p=0.000
superior_longitudinal_fasciculus	SDMT	r=-0.43; p=0.000	r=-0.14; p=0.048
superior_longitudinal_fasciculus	EDSS	r=0.50; p=0.000	r=0.08; p=0.273
superior_longitudinal_fasciculus	SSST	r=0.48; p=0.000	r=0.07; p=0.348
superior_longitudinal_fasciculus	SixMWT	r=-0.52; p=0.000	r=-0.04; p=0.550
superior_longitudinal_fasciculus	VOL_Lesion	r=0.70; p=0.000	r=0.63; p=0.000
uncinate_fasciculus	SDMT	r=-0.30; p=0.000	r=-0.04; p=0.554
uncinate_fasciculus	EDSS	r=0.38; p=0.000	r=0.07; p=0.326
uncinate_fasciculus	SSST	r=0.33; p=0.000	r=0.04; p=0.553
uncinate_fasciculus	SixMWT	r=-0.37; p=0.000	r=-0.07; p=0.328
uncinate_fasciculus	VOL_Lesion	r=0.53; p=0.000	r=0.40; p=0.000

White_matter_tract – MD (Cohort EXBRAIN)

Region	Clinical Var	Before	After
Anterior_thalamic_radiation	SDMT	r=-0.06; p=0.596	r=-0.06; p=0.596
Anterior_thalamic_radiation	EDSS	r=0.17; p=0.126	r=0.17; p=0.126
Anterior_thalamic_radiation	SSST	r=0.17; p=0.116	r=0.17; p=0.116
Anterior_thalamic_radiation	SixMWT	r=-0.18; p=0.090	r=-0.18; p=0.090
Anterior_thalamic_radiation	VOL_Lesion	r=0.77; p=0.000	r=0.77; p=0.000
Corticospinal_tract	SDMT	r=-0.12; p=0.283	r=-0.12; p=0.283
Corticospinal_tract	EDSS	r=0.00; p=0.986	r=0.00; p=0.986
Corticospinal_tract	SSST	r=0.15; p=0.174	r=0.15; p=0.174
Corticospinal_tract	SixMWT	r=-0.05; p=0.678	r=-0.05; p=0.678
Corticospinal_tract	VOL_Lesion	r=0.60; p=0.000	r=0.60; p=0.000
Cingulate_gyrus	SDMT	r=-0.19; p=0.085	r=-0.19; p=0.085
Cingulate_gyrus	EDSS	r=0.19; p=0.082	r=0.19; p=0.082
Cingulate_gyrus	SSST	r=0.09; p=0.414	r=0.09; p=0.414
Cingulate_gyrus	SixMWT	r=-0.10; p=0.343	r=-0.10; p=0.343
Cingulate_gyrus	VOL_Lesion	r=0.62; p=0.000	r=0.62; p=0.000
Forceps_major	SDMT	r=-0.04; p=0.686	r=-0.04; p=0.686
Forceps_major	EDSS	r=0.09; p=0.406	r=0.09; p=0.406
Forceps_major	SSST	r=0.02; p=0.848	r=0.02; p=0.848
Forceps_major	SixMWT	r=-0.03; p=0.810	r=-0.03; p=0.810
Forceps_major	VOL_Lesion	r=0.60; p=0.000	r=0.60; p=0.000
Forceps_minor	SDMT	r=-0.10; p=0.353	r=-0.10; p=0.353
Forceps_minor	EDSS	r=0.14; p=0.218	r=0.14; p=0.218
Forceps_minor	SSST	r=0.09; p=0.394	r=0.09; p=0.394
Forceps_minor	SixMWT	r=-0.05; p=0.641	r=-0.05; p=0.641
Forceps_minor	VOL_Lesion	r=0.69; p=0.000	r=0.69; p=0.000
fronto_occipital	SDMT	r=-0.18; p=0.107	r=-0.18; p=0.107
fronto_occipital	EDSS	r=0.11; p=0.339	r=0.11; p=0.339
fronto_occipital	SSST	r=0.06; p=0.600	r=0.06; p=0.600
fronto_occipital	SixMWT	r=-0.07; p=0.540	r=-0.07; p=0.540
fronto_occipital	VOL_Lesion	r=0.69; p=0.000	r=0.69; p=0.000
inferior_longitudinal_fasciculus	SDMT	r=-0.19; p=0.090	r=-0.19; p=0.090
inferior_longitudinal_fasciculus	EDSS	r=0.12; p=0.293	r=0.12; p=0.293
inferior_longitudinal_fasciculus	SSST	r=0.02; p=0.853	r=0.02; p=0.853
inferior_longitudinal_fasciculus	SixMWT	r=-0.07; p=0.503	r=-0.07; p=0.503
inferior_longitudinal_fasciculus	VOL_Lesion	r=0.61; p=0.000	r=0.61; p=0.000
superior_longitudinal_fasciculus	SDMT	r=-0.14; p=0.188	r=-0.14; p=0.188
superior_longitudinal_fasciculus	EDSS	r=0.14; p=0.217	r=0.14; p=0.217
superior_longitudinal_fasciculus	SSST	r=0.05; p=0.638	r=0.05; p=0.638
superior_longitudinal_fasciculus	SixMWT	r=-0.06; p=0.604	r=-0.06; p=0.604
superior_longitudinal_fasciculus	VOL_Lesion	r=0.80; p=0.000	r=0.80; p=0.000
uncinate_fasciculus	SDMT	r=-0.03; p=0.801	r=-0.03; p=0.801
uncinate_fasciculus	EDSS	r=0.01; p=0.944	r=0.01; p=0.944
uncinate_fasciculus	SSST	r=-0.03; p=0.788	r=-0.03; p=0.788
uncinate_fasciculus	SixMWT	r=-0.01; p=0.945	r=-0.01; p=0.945
uncinate_fasciculus	VOL_Lesion	r=0.50; p=0.000	r=0.50; p=0.000

White_matter_tract – MD (Cohort EMSES)

Region	Clinical Var	Before	After
Anterior_thalamic_radiation	SDMT	r=-0.08; p=0.487	r=-0.08; p=0.487
Anterior_thalamic_radiation	EDSS	r=0.11; p=0.340	r=0.11; p=0.340
Anterior_thalamic_radiation	SSST	r=0.16; p=0.173	r=0.16; p=0.173
Anterior_thalamic_radiation	SixMWT	r=-0.12; p=0.302	r=-0.12; p=0.302
Anterior_thalamic_radiation	VOL_Lesion	r=0.60; p=0.000	r=0.60; p=0.000
Corticospinal_tract	SDMT	r=-0.11; p=0.336	r=-0.11; p=0.336
Corticospinal_tract	EDSS	r=-0.03; p=0.785	r=-0.03; p=0.785
Corticospinal_tract	SSST	r=0.10; p=0.377	r=0.10; p=0.377
Corticospinal_tract	SixMWT	r=-0.02; p=0.887	r=-0.02; p=0.887
Corticospinal_tract	VOL_Lesion	r=0.51; p=0.000	r=0.51; p=0.000
Cingulate_gyrus	SDMT	r=-0.06; p=0.639	r=-0.06; p=0.639
Cingulate_gyrus	EDSS	r=-0.15; p=0.187	r=-0.15; p=0.187
Cingulate_gyrus	SSST	r=-0.22; p=0.058	r=-0.22; p=0.058
Cingulate_gyrus	SixMWT	r=0.24; p=0.036	r=0.24; p=0.036
Cingulate_gyrus	VOL_Lesion	r=0.40; p=0.000	r=0.40; p=0.000
Forceps_major	SDMT	r=-0.07; p=0.550	r=-0.07; p=0.550
Forceps_major	EDSS	r=0.12; p=0.312	r=0.12; p=0.312
Forceps_major	SSST	r=0.04; p=0.748	r=0.04; p=0.748
Forceps_major	SixMWT	r=-0.10; p=0.420	r=-0.10; p=0.420
Forceps_major	VOL_Lesion	r=0.52; p=0.000	r=0.52; p=0.000
Forceps_minor	SDMT	r=-0.01; p=0.966	r=-0.01; p=0.966
Forceps_minor	EDSS	r=-0.01; p=0.937	r=-0.01; p=0.937
Forceps_minor	SSST	r=-0.05; p=0.643	r=-0.05; p=0.643
Forceps_minor	SixMWT	r=0.07; p=0.526	r=0.07; p=0.526
Forceps_minor	VOL_Lesion	r=0.37; p=0.001	r=0.37; p=0.001
fronto_occipital	SDMT	r=0.02; p=0.860	r=0.02; p=0.860
fronto_occipital	EDSS	r=-0.09; p=0.466	r=-0.09; p=0.466
fronto_occipital	SSST	r=0.01; p=0.915	r=0.01; p=0.915
fronto_occipital	SixMWT	r=-0.06; p=0.611	r=-0.06; p=0.611
fronto_occipital	VOL_Lesion	r=0.50; p=0.000	r=0.50; p=0.000
inferior_longitudinal_fasciculus	SDMT	r=0.08; p=0.491	r=0.08; p=0.491
inferior_longitudinal_fasciculus	EDSS	r=-0.03; p=0.820	r=-0.03; p=0.820
inferior_longitudinal_fasciculus	SSST	r=-0.04; p=0.738	r=-0.04; p=0.738
inferior_longitudinal_fasciculus	SixMWT	r=0.04; p=0.736	r=0.04; p=0.736
inferior_longitudinal_fasciculus	VOL_Lesion	r=0.44; p=0.000	r=0.44; p=0.000
superior_longitudinal_fasciculus	SDMT	r=-0.05; p=0.686	r=-0.05; p=0.686
superior_longitudinal_fasciculus	EDSS	r=0.04; p=0.726	r=0.04; p=0.726
superior_longitudinal_fasciculus	SSST	r=0.09; p=0.456	r=0.09; p=0.456
superior_longitudinal_fasciculus	SixMWT	r=-0.06; p=0.619	r=-0.06; p=0.619
superior_longitudinal_fasciculus	VOL_Lesion	r=0.58; p=0.000	r=0.58; p=0.000
uncinate_fasciculus	SDMT	r=0.12; p=0.291	r=0.12; p=0.291
uncinate_fasciculus	EDSS	r=0.01; p=0.966	r=0.01; p=0.966
uncinate_fasciculus	SSST	r=-0.07; p=0.537	r=-0.07; p=0.537
uncinate_fasciculus	SixMWT	r=-0.03; p=0.830	r=-0.03; p=0.830
uncinate_fasciculus	VOL_Lesion	r=0.22; p=0.057	r=0.22; p=0.057

White_matter_tract – MD (Cohort PoTOMS)

Region	Clinical Var	Before	After
Anterior_thalamic_radiation	SDMT	r=-0.51; p=0.001	r=-0.51; p=0.001
Anterior_thalamic_radiation	EDSS	r=-0.00; p=0.977	r=-0.00; p=0.977
Anterior_thalamic_radiation	SSST	r=0.08; p=0.616	r=0.08; p=0.616
Anterior_thalamic_radiation	SixMWT	r=0.19; p=0.237	r=0.19; p=0.237
Anterior_thalamic_radiation	VOL_Lesion	r=0.59; p=0.000	r=0.59; p=0.000
Corticospinal_tract	SDMT	r=-0.45; p=0.004	r=-0.45; p=0.004
Corticospinal_tract	EDSS	r=-0.05; p=0.785	r=-0.05; p=0.785
Corticospinal_tract	SSST	r=0.12; p=0.463	r=0.12; p=0.463
Corticospinal_tract	SixMWT	r=0.06; p=0.737	r=0.06; p=0.737
Corticospinal_tract	VOL_Lesion	r=0.61; p=0.000	r=0.61; p=0.000
Cingulate_gyrus	SDMT	r=-0.36; p=0.025	r=-0.36; p=0.025
Cingulate_gyrus	EDSS	r=-0.05; p=0.776	r=-0.05; p=0.776
Cingulate_gyrus	SSST	r=0.04; p=0.803	r=0.04; p=0.803
Cingulate_gyrus	SixMWT	r=-0.06; p=0.729	r=-0.06; p=0.729
Cingulate_gyrus	VOL_Lesion	r=0.41; p=0.010	r=0.41; p=0.010
Forceps_major	SDMT	r=-0.20; p=0.223	r=-0.20; p=0.223
Forceps_major	EDSS	r=0.06; p=0.738	r=0.06; p=0.738
Forceps_major	SSST	r=0.08; p=0.647	r=0.08; p=0.647
Forceps_major	SixMWT	r=-0.07; p=0.660	r=-0.07; p=0.660
Forceps_major	VOL_Lesion	r=0.32; p=0.048	r=0.32; p=0.048
Forceps_minor	SDMT	r=-0.46; p=0.003	r=-0.46; p=0.003
Forceps_minor	EDSS	r=-0.05; p=0.747	r=-0.05; p=0.747
Forceps_minor	SSST	r=0.01; p=0.970	r=0.01; p=0.970
Forceps_minor	SixMWT	r=0.02; p=0.894	r=0.02; p=0.894
Forceps_minor	VOL_Lesion	r=0.58; p=0.000	r=0.58; p=0.000
fronto_occipital	SDMT	r=-0.42; p=0.009	r=-0.42; p=0.009
fronto_occipital	EDSS	r=-0.08; p=0.627	r=-0.08; p=0.627
fronto_occipital	SSST	r=-0.05; p=0.758	r=-0.05; p=0.758
fronto_occipital	SixMWT	r=0.12; p=0.483	r=0.12; p=0.483
fronto_occipital	VOL_Lesion	r=0.70; p=0.000	r=0.70; p=0.000
inferior_longitudinal_fasciculus	SDMT	r=-0.21; p=0.201	r=-0.21; p=0.201
inferior_longitudinal_fasciculus	EDSS	r=-0.04; p=0.817	r=-0.04; p=0.817
inferior_longitudinal_fasciculus	SSST	r=-0.13; p=0.415	r=-0.13; p=0.415
inferior_longitudinal_fasciculus	SixMWT	r=0.05; p=0.778	r=0.05; p=0.778
inferior_longitudinal_fasciculus	VOL_Lesion	r=0.52; p=0.001	r=0.52; p=0.001
superior_longitudinal_fasciculus	SDMT	r=-0.47; p=0.003	r=-0.47; p=0.003
superior_longitudinal_fasciculus	EDSS	r=0.00; p=0.982	r=0.00; p=0.982
superior_longitudinal_fasciculus	SSST	r=0.09; p=0.588	r=0.09; p=0.588
superior_longitudinal_fasciculus	SixMWT	r=-0.07; p=0.670	r=-0.07; p=0.670
superior_longitudinal_fasciculus	VOL_Lesion	r=0.65; p=0.000	r=0.65; p=0.000
uncinate_fasciculus	SDMT	r=-0.31; p=0.056	r=-0.31; p=0.056
uncinate_fasciculus	EDSS	r=0.09; p=0.570	r=0.09; p=0.570
uncinate_fasciculus	SSST	r=0.23; p=0.155	r=0.23; p=0.155
uncinate_fasciculus	SixMWT	r=-0.22; p=0.177	r=-0.22; p=0.177
uncinate_fasciculus	VOL_Lesion	r=0.40; p=0.012	r=0.40; p=0.012

White_matter_tract – FA (All Data)

Region	Clinical Var	Before	After
Anterior_thalamic_radiation	SDMT	r=-0.16; p=0.020	r=0.05; p=0.495
Anterior_thalamic_radiation	EDSS	r=0.11; p=0.109	r=-0.15; p=0.035
Anterior_thalamic_radiation	SSST	r=0.20; p=0.005	r=-0.04; p=0.568
Anterior_thalamic_radiation	SixMWT	r=-0.20; p=0.005	r=0.06; p=0.385
Anterior_thalamic_radiation	VOL_Lesion	r=-0.13; p=0.068	r=-0.36; p=0.000
Corticospinal_tract	SDMT	r=0.22; p=0.002	r=0.08; p=0.247
Corticospinal_tract	EDSS	r=-0.13; p=0.071	r=0.01; p=0.927
Corticospinal_tract	SSST	r=-0.12; p=0.099	r=-0.00; p=0.997
Corticospinal_tract	SixMWT	r=0.10; p=0.151	r=-0.01; p=0.873
Corticospinal_tract	VOL_Lesion	r=-0.13; p=0.065	r=-0.12; p=0.087
Cingulate_gyrus	SDMT	r=0.00; p=0.978	r=0.15; p=0.031
Cingulate_gyrus	EDSS	r=0.05; p=0.486	r=-0.07; p=0.321
Cingulate_gyrus	SSST	r=0.05; p=0.467	r=-0.05; p=0.497
Cingulate_gyrus	SixMWT	r=-0.08; p=0.281	r=0.03; p=0.679
Cingulate_gyrus	VOL_Lesion	r=-0.41; p=0.000	r=-0.49; p=0.000
Forceps_major	SDMT	r=0.43; p=0.000	r=0.12; p=0.094
Forceps_major	EDSS	r=-0.41; p=0.000	r=-0.04; p=0.606
Forceps_major	SSST	r=-0.39; p=0.000	r=-0.04; p=0.576
Forceps_major	SixMWT	r=0.40; p=0.000	r=0.03; p=0.690
Forceps_major	VOL_Lesion	r=-0.63; p=0.000	r=-0.48; p=0.000
Forceps_minor	SDMT	r=0.15; p=0.040	r=0.17; p=0.019
Forceps_minor	EDSS	r=-0.16; p=0.022	r=-0.07; p=0.309
Forceps_minor	SSST	r=-0.18; p=0.012	r=-0.07; p=0.295
Forceps_minor	SixMWT	r=0.16; p=0.020	r=0.04; p=0.574
Forceps_minor	VOL_Lesion	r=-0.60; p=0.000	r=-0.59; p=0.000
fronto_occipital	SDMT	r=0.35; p=0.000	r=0.15; p=0.030
fronto_occipital	EDSS	r=-0.35; p=0.000	r=-0.10; p=0.162
fronto_occipital	SSST	r=-0.33; p=0.000	r=-0.11; p=0.141
fronto_occipital	SixMWT	r=0.33; p=0.000	r=0.10; p=0.176
fronto_occipital	VOL_Lesion	r=-0.77; p=0.000	r=-0.64; p=0.000
inferior_longitudinal_fasciculus	SDMT	r=0.24; p=0.001	r=0.06; p=0.395
inferior_longitudinal_fasciculus	EDSS	r=-0.33; p=0.000	r=-0.10; p=0.171
inferior_longitudinal_fasciculus	SSST	r=-0.27; p=0.000	r=-0.05; p=0.469
inferior_longitudinal_fasciculus	SixMWT	r=0.29; p=0.000	r=0.06; p=0.374
inferior_longitudinal_fasciculus	VOL_Lesion	r=-0.69; p=0.000	r=-0.56; p=0.000
superior_longitudinal_fasciculus	SDMT	r=0.25; p=0.000	r=0.12; p=0.091
superior_longitudinal_fasciculus	EDSS	r=-0.30; p=0.000	r=-0.06; p=0.408
superior_longitudinal_fasciculus	SSST	r=-0.29; p=0.000	r=-0.06; p=0.431
superior_longitudinal_fasciculus	SixMWT	r=0.32; p=0.000	r=0.06; p=0.397
superior_longitudinal_fasciculus	VOL_Lesion	r=-0.59; p=0.000	r=-0.46; p=0.000
uncinate_fasciculus	SDMT	r=0.08; p=0.244	r=0.17; p=0.019
uncinate_fasciculus	EDSS	r=0.02; p=0.817	r=-0.04; p=0.560
uncinate_fasciculus	SSST	r=-0.01; p=0.929	r=-0.05; p=0.467
uncinate_fasciculus	SixMWT	r=0.05; p=0.479	r=0.09; p=0.186
uncinate_fasciculus	VOL_Lesion	r=-0.25; p=0.000	r=-0.28; p=0.000

White_matter_tract – FA (Cohort EXBRAIN)

Region	Clinical Var	Before	After
Anterior_thalamic_radiation	SDMT	r=0.01; p=0.951	r=0.01; p=0.951
Anterior_thalamic_radiation	EDSS	r=-0.27; p=0.014	r=-0.27; p=0.014
Anterior_thalamic_radiation	SSST	r=-0.14; p=0.186	r=-0.14; p=0.186
Anterior_thalamic_radiation	SixMWT	r=0.17; p=0.110	r=0.17; p=0.110
Anterior_thalamic_radiation	VOL_Lesion	r=-0.47; p=0.000	r=-0.47; p=0.000
Corticospinal_tract	SDMT	r=-0.03; p=0.784	r=-0.03; p=0.784
Corticospinal_tract	EDSS	r=0.05; p=0.659	r=0.05; p=0.659
Corticospinal_tract	SSST	r=-0.06; p=0.584	r=-0.06; p=0.584
Corticospinal_tract	SixMWT	r=-0.09; p=0.437	r=-0.09; p=0.437
Corticospinal_tract	VOL_Lesion	r=0.02; p=0.834	r=0.02; p=0.834
Cingulate_gyrus	SDMT	r=0.12; p=0.283	r=0.12; p=0.283
Cingulate_gyrus	EDSS	r=-0.15; p=0.159	r=-0.15; p=0.159
Cingulate_gyrus	SSST	r=-0.16; p=0.146	r=-0.16; p=0.146
Cingulate_gyrus	SixMWT	r=0.20; p=0.060	r=0.20; p=0.060
Cingulate_gyrus	VOL_Lesion	r=-0.68; p=0.000	r=-0.68; p=0.000
Forceps_major	SDMT	r=0.07; p=0.515	r=0.07; p=0.515
Forceps_major	EDSS	r=-0.10; p=0.375	r=-0.10; p=0.375
Forceps_major	SSST	r=-0.04; p=0.707	r=-0.04; p=0.707
Forceps_major	SixMWT	r=0.08; p=0.455	r=0.08; p=0.455
Forceps_major	VOL_Lesion	r=-0.61; p=0.000	r=-0.61; p=0.000
Forceps_minor	SDMT	r=0.13; p=0.219	r=0.13; p=0.219
Forceps_minor	EDSS	r=-0.15; p=0.184	r=-0.15; p=0.184
Forceps_minor	SSST	r=-0.12; p=0.263	r=-0.12; p=0.263
Forceps_minor	SixMWT	r=0.10; p=0.366	r=0.10; p=0.366
Forceps_minor	VOL_Lesion	r=-0.77; p=0.000	r=-0.77; p=0.000
fronto_occipital	SDMT	r=0.17; p=0.131	r=0.17; p=0.131
fronto_occipital	EDSS	r=-0.16; p=0.138	r=-0.16; p=0.138
fronto_occipital	SSST	r=-0.12; p=0.284	r=-0.12; p=0.284
fronto_occipital	SixMWT	r=0.14; p=0.198	r=0.14; p=0.198
fronto_occipital	VOL_Lesion	r=-0.81; p=0.000	r=-0.81; p=0.000
inferior_longitudinal_fasciculus	SDMT	r=0.09; p=0.395	r=0.09; p=0.395
inferior_longitudinal_fasciculus	EDSS	r=-0.17; p=0.118	r=-0.17; p=0.118
inferior_longitudinal_fasciculus	SSST	r=-0.05; p=0.662	r=-0.05; p=0.662
inferior_longitudinal_fasciculus	SixMWT	r=0.04; p=0.749	r=0.04; p=0.749
inferior_longitudinal_fasciculus	VOL_Lesion	r=-0.65; p=0.000	r=-0.65; p=0.000
superior_longitudinal_fasciculus	SDMT	r=0.10; p=0.367	r=0.10; p=0.367
superior_longitudinal_fasciculus	EDSS	r=-0.14; p=0.195	r=-0.14; p=0.195
superior_longitudinal_fasciculus	SSST	r=-0.08; p=0.485	r=-0.08; p=0.485
superior_longitudinal_fasciculus	SixMWT	r=0.12; p=0.285	r=0.12; p=0.285
superior_longitudinal_fasciculus	VOL_Lesion	r=-0.56; p=0.000	r=-0.56; p=0.000
uncinate_fasciculus	SDMT	r=0.24; p=0.030	r=0.24; p=0.030
uncinate_fasciculus	EDSS	r=-0.14; p=0.191	r=-0.14; p=0.191
uncinate_fasciculus	SSST	r=-0.06; p=0.568	r=-0.06; p=0.568
uncinate_fasciculus	SixMWT	r=0.17; p=0.125	r=0.17; p=0.125
uncinate_fasciculus	VOL_Lesion	r=-0.37; p=0.000	r=-0.37; p=0.000

White_matter_tract – FA (Cohort EMSES)

Region	Clinical Var	Before	After
Anterior_thalamic_radiation	SDMT	r=0.11; p=0.362	r=0.11; p=0.362
Anterior_thalamic_radiation	EDSS	r=-0.16; p=0.183	r=-0.16; p=0.183
Anterior_thalamic_radiation	SSST	r=-0.07; p=0.544	r=-0.07; p=0.544
Anterior_thalamic_radiation	SixMWT	r=0.16; p=0.184	r=0.16; p=0.184
Anterior_thalamic_radiation	VOL_Lesion	r=-0.32; p=0.005	r=-0.32; p=0.005
Corticospinal_tract	SDMT	r=0.17; p=0.143	r=0.17; p=0.143
Corticospinal_tract	EDSS	r=-0.03; p=0.769	r=-0.03; p=0.769
Corticospinal_tract	SSST	r=-0.00; p=0.997	r=-0.00; p=0.997
Corticospinal_tract	SixMWT	r=0.07; p=0.535	r=0.07; p=0.535
Corticospinal_tract	VOL_Lesion	r=-0.24; p=0.037	r=-0.24; p=0.037
Cingulate_gyrus	SDMT	r=0.08; p=0.480	r=0.08; p=0.480
Cingulate_gyrus	EDSS	r=0.00; p=0.985	r=0.00; p=0.985
Cingulate_gyrus	SSST	r=0.17; p=0.144	r=0.17; p=0.144
Cingulate_gyrus	SixMWT	r=-0.20; p=0.087	r=-0.20; p=0.087
Cingulate_gyrus	VOL_Lesion	r=-0.36; p=0.002	r=-0.36; p=0.002
Forceps_major	SDMT	r=0.18; p=0.134	r=0.18; p=0.134
Forceps_major	EDSS	r=-0.05; p=0.662	r=-0.05; p=0.662
Forceps_major	SSST	r=-0.06; p=0.596	r=-0.06; p=0.596
Forceps_major	SixMWT	r=0.06; p=0.584	r=0.06; p=0.584
Forceps_major	VOL_Lesion	r=-0.65; p=0.000	r=-0.65; p=0.000
Forceps_minor	SDMT	r=0.12; p=0.315	r=0.12; p=0.315
Forceps_minor	EDSS	r=-0.06; p=0.602	r=-0.06; p=0.602
Forceps_minor	SSST	r=-0.09; p=0.427	r=-0.09; p=0.427
Forceps_minor	SixMWT	r=0.18; p=0.126	r=0.18; p=0.126
Forceps_minor	VOL_Lesion	r=-0.47; p=0.000	r=-0.47; p=0.000
fronto_occipital	SDMT	r=0.11; p=0.337	r=0.11; p=0.337
fronto_occipital	EDSS	r=-0.04; p=0.756	r=-0.04; p=0.756
fronto_occipital	SSST	r=-0.19; p=0.106	r=-0.19; p=0.106
fronto_occipital	SixMWT	r=0.19; p=0.102	r=0.19; p=0.102
fronto_occipital	VOL_Lesion	r=-0.62; p=0.000	r=-0.62; p=0.000
inferior_longitudinal_fasciculus	SDMT	r=-0.02; p=0.874	r=-0.02; p=0.874
inferior_longitudinal_fasciculus	EDSS	r=-0.02; p=0.878	r=-0.02; p=0.878
inferior_longitudinal_fasciculus	SSST	r=-0.18; p=0.136	r=-0.18; p=0.136
inferior_longitudinal_fasciculus	SixMWT	r=0.17; p=0.144	r=0.17; p=0.144
inferior_longitudinal_fasciculus	VOL_Lesion	r=-0.64; p=0.000	r=-0.64; p=0.000
superior_longitudinal_fasciculus	SDMT	r=0.10; p=0.419	r=0.10; p=0.419
superior_longitudinal_fasciculus	EDSS	r=0.03; p=0.769	r=0.03; p=0.769
superior_longitudinal_fasciculus	SSST	r=-0.11; p=0.339	r=-0.11; p=0.339
superior_longitudinal_fasciculus	SixMWT	r=0.04; p=0.713	r=0.04; p=0.713
superior_longitudinal_fasciculus	VOL_Lesion	r=-0.43; p=0.000	r=-0.43; p=0.000
uncinate_fasciculus	SDMT	r=0.07; p=0.543	r=0.07; p=0.543
uncinate_fasciculus	EDSS	r=-0.05; p=0.670	r=-0.05; p=0.670
uncinate_fasciculus	SSST	r=-0.09; p=0.421	r=-0.09; p=0.421
uncinate_fasciculus	SixMWT	r=0.24; p=0.040	r=0.24; p=0.040
uncinate_fasciculus	VOL_Lesion	r=-0.30; p=0.009	r=-0.30; p=0.009

White_matter_tract – FA (Cohort PoTOMS)

Region	Clinical Var	Before	After
Anterior_thalamic_radiation	SDMT	r=0.23; p=0.163	r=0.23; p=0.163
Anterior_thalamic_radiation	EDSS	r=-0.17; p=0.296	r=-0.17; p=0.296
Anterior_thalamic_radiation	SSST	r=0.05; p=0.760	r=0.05; p=0.760
Anterior_thalamic_radiation	SixMWT	r=-0.12; p=0.473	r=-0.12; p=0.473
Anterior_thalamic_radiation	VOL_Lesion	r=-0.47; p=0.003	r=-0.47; p=0.003
Corticospinal_tract	SDMT	r=0.12; p=0.460	r=0.12; p=0.460
Corticospinal_tract	EDSS	r=0.03; p=0.878	r=0.03; p=0.878
Corticospinal_tract	SSST	r=0.13; p=0.445	r=0.13; p=0.445
Corticospinal_tract	SixMWT	r=-0.06; p=0.702	r=-0.06; p=0.702
Corticospinal_tract	VOL_Lesion	r=-0.24; p=0.134	r=-0.24; p=0.134
Cingulate_gyrus	SDMT	r=0.46; p=0.003	r=0.46; p=0.003
Cingulate_gyrus	EDSS	r=0.17; p=0.300	r=0.17; p=0.300
Cingulate_gyrus	SSST	r=-0.13; p=0.427	r=-0.13; p=0.427
Cingulate_gyrus	SixMWT	r=-0.11; p=0.519	r=-0.11; p=0.519
Cingulate_gyrus	VOL_Lesion	r=-0.42; p=0.008	r=-0.42; p=0.008
Forceps_major	SDMT	r=0.30; p=0.059	r=0.30; p=0.059
Forceps_major	EDSS	r=0.03; p=0.869	r=0.03; p=0.869
Forceps_major	SSST	r=-0.16; p=0.335	r=-0.16; p=0.335
Forceps_major	SixMWT	r=0.09; p=0.579	r=0.09; p=0.579
Forceps_major	VOL_Lesion	r=-0.23; p=0.163	r=-0.23; p=0.163
Forceps_minor	SDMT	r=0.52; p=0.001	r=0.52; p=0.001
Forceps_minor	EDSS	r=0.12; p=0.468	r=0.12; p=0.468
Forceps_minor	SSST	r=0.02; p=0.890	r=0.02; p=0.890
Forceps_minor	SixMWT	r=-0.17; p=0.304	r=-0.17; p=0.304
Forceps_minor	VOL_Lesion	r=-0.59; p=0.000	r=-0.59; p=0.000
fronto_occipital	SDMT	r=0.23; p=0.154	r=0.23; p=0.154
fronto_occipital	EDSS	r=0.01; p=0.959	r=0.01; p=0.959
fronto_occipital	SSST	r=-0.02; p=0.904	r=-0.02; p=0.904
fronto_occipital	SixMWT	r=-0.02; p=0.904	r=-0.02; p=0.904
fronto_occipital	VOL_Lesion	r=-0.61; p=0.000	r=-0.61; p=0.000
inferior_longitudinal_fasciculus	SDMT	r=0.18; p=0.279	r=0.18; p=0.279
inferior_longitudinal_fasciculus	EDSS	r=-0.11; p=0.501	r=-0.11; p=0.501
inferior_longitudinal_fasciculus	SSST	r=0.05; p=0.768	r=0.05; p=0.768
inferior_longitudinal_fasciculus	SixMWT	r=0.08; p=0.618	r=0.08; p=0.618
inferior_longitudinal_fasciculus	VOL_Lesion	r=-0.59; p=0.000	r=-0.59; p=0.000
superior_longitudinal_fasciculus	SDMT	r=0.26; p=0.111	r=0.26; p=0.111
superior_longitudinal_fasciculus	EDSS	r=-0.06; p=0.729	r=-0.06; p=0.729
superior_longitudinal_fasciculus	SSST	r=-0.06; p=0.716	r=-0.06; p=0.716
superior_longitudinal_fasciculus	SixMWT	r=0.10; p=0.537	r=0.10; p=0.537
superior_longitudinal_fasciculus	VOL_Lesion	r=-0.55; p=0.000	r=-0.55; p=0.000
uncinate_fasciculus	SDMT	r=0.38; p=0.017	r=0.38; p=0.017
uncinate_fasciculus	EDSS	r=0.02; p=0.885	r=0.02; p=0.885
uncinate_fasciculus	SSST	r=-0.22; p=0.188	r=-0.22; p=0.188
uncinate_fasciculus	SixMWT	r=0.09; p=0.604	r=0.09; p=0.604
uncinate_fasciculus	VOL_Lesion	r=-0.28; p=0.086	r=-0.28; p=0.086