**Supplementary Table 1.** Differences in ALPS and glymphatic function related brain structure between MDD and HC (full table)

| | MDD (N=176) | HC (N=178) | p† |
|---|---|---|---|
| ALPS_R** | 1.574±0.207 | 1.645±0.168 | $1.476\times10^{-3}$ |
| ALPS_L*** | 1.531±0.186 | 1.600±0.158 | $6.822\times10^{-4}$ |
| LeftLateralVentricle | 8,340.229±4,316.084 | 7,718.321±3,288.478 | 0.143 |
| LeftInfLatVent** | 337.565±193.569 | 282.196±137.025 | $2.606\times10^{-3}$ |
| LeftThalamus* | 8,368.615±997.266 | 8,469.002±984.345 | 0.007 |
| LeftCaudate | 3,594.773±482.159 | 3,581.084±432.082 | 0.435 |
| LeftHippocampus | 4,019.250±385.897 | 3,990.978±364.303 | 0.714 |
| LeftAmygdala | 1,617.407±195.044 | 1,589.055±182.259 | 0.788 |
| Leftchoroidplexus | 456.957±179.476 | 433.651±173.648 | 0.317 |
| RightLateralVentricle | 7,230.372±3,463.566 | 6,704.297±3,082.491 | 0.174 |
| RightInfLatVent | 333.664±170.178 | 302.243±127.563 | 0.084 |
| RightThalamus* | 8,334.281±1,003.459 | 8,399.572±996.557 | 0.017 |
| RightCaudate | 3,552.570±493.103 | 3,521.821±418.204 | 0.742 |
| RightHippocampus | 4,289.366±431.380 | 4,325.334±429.046 | 0.068 |
| RightAmygdala | 1,769.115±193.145 | 1,757.305±202.204 | 0.439 |
| Rightchoroidplexus* | 503.690±164.164 | 461.394±146.923 | 0.017 |
| 3rdVentricle* | 1,117.195±404.595 | 1,038.253±330.010 | 0.027 |
| 4thVentricle | 1,756.362±430.874 | 1,676.007±404.490 | 0.185 |
| Septum pellucidum | 0.101±0.565 | 0.189±1.012 | 0.235 |

Values are presented as mean±standard deviation. *p<0.05; **p<0.00294 (Bonferroni 0.05/17=0.00294); ***p<0.001; †covariates age, sex, years of education, ICV. ALPS, analysis along the perivascular space; MDD, major depressive disorder; HC, healthy controls; ICV, intracranial volume; R, right; L, left.