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| --- | --- | --- | --- | --- | --- | --- |
| **ROI** | **Tract length** | | | | | |
| |  | | --- | | n | | |  | | --- | | Mean | | |  | | --- | | Median | | |  | | --- | | Minimum | | |  | | --- | | Maximum | | |  | | --- | | SD | |
| |  | | --- | | CP | | 32 | 117.5576 | 116.9000 | 81.6868 | 140.9190 | 14.80857 |
| |  | | --- | | CP\_preCG | | 30 | 130.9418 | 129.2540 | 0.0000 | 204.8830 | 34.93653 |
| |  | | --- | | CP\_postCG | | 32 | 130.8641 | 134.3750 | 0.0000 | 171.6310 | 30.27800 |
| |  | | --- | | CP\_SMA | | 31 | 112.9359 | 135.2540 | 0.0000 | 277.3440 | 64.18218 |
| |  | | --- | | CP\_FL | | 32 | 135.5360 | 132.2970 | 110.6120 | 180.8890 | 16.78714 |
| |  | | --- | | PLIC | | 32 | 117.6874 | 116.3240 | 91.7506 | 146.9780 | 12.33070 |
| |  | | --- | | PLIC\_preCG | | 32 | 129.4356 | 125.9725 | 101.0740 | 226.5630 | 23.20913 |
| |  | | --- | | PLIC\_postCG | | 32 | 128.3468 | 123.3575 | 75.1953 | 280.7620 | 36.19274 |
| |  | | --- | | PLIC\_SMA | | 31 | 113.7931 | 121.1090 | 0.0000 | 185.7640 | 42.60474 |
| |  | | --- | | PLIC\_FL | | 32 | 122.3699 | 124.8240 | 0.0000 | 158.7830 | 26.66728 |

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| **ROI** | **Tract volume** | | | | | |
| |  | | --- | | n | | |  | | --- | | Mean | | |  | | --- | | Median | | |  | | --- | | Minimum | | |  | | --- | | Maximum | | |  | | --- | | SD | |
| |  | | --- | | CP | | 32 | 26664.05 | 25035.60 | 6427.98 | 45955.30 | 10059.39 |
| |  | | --- | | CP\_preCG | | 30 | 7333.18 | 6397.26 | 0.00 | 31777.80 | 6075.55 |
| |  | | --- | | CP\_postCG | | 32 | 4698.25 | 4102.11 | 0.00 | 15982.70 | 3730.64 |
| |  | | --- | | CP\_SMA | | 31 | 4404.43 | 3959.66 | 0.00 | 13376.40 | 4018.61 |
| |  | | --- | | CP\_FL | | 32 | 16780.12 | 16155.25 | 1724.24 | 32364.30 | 8077.78 |
| |  | | --- | | PLIC | | 32 | 40054.56 | 39035.20 | 19691.40 | 64757.70 | 12874.99 |
| |  | | --- | | PLIC\_preCG | | 32 | 9749.40 | 9399.40 | 816.34 | 23635.60 | 5053.21 |
| |  | | --- | | PLIC\_postCG | | 32 | 6863.47 | 6168.28 | 1136.78 | 23101.70 | 5119.02 |
| |  | | --- | | PLIC\_SMA | | 31 | 6253.86 | 5149.85 | 0.00 | 21133.20 | 4766.87 |
| |  | | --- | | PLIC\_FL | | 32 | 22982.72 | 23010.30 | 0.00 | 49940.80 | 11203.53 |

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| **ROI** | **Fractional Anisotropy** | | | | | |
| |  | | --- | | n | | |  | | --- | | Mean | | |  | | --- | | Median | | |  | | --- | | Minimum | | |  | | --- | | Maximum | | |  | | --- | | SD | |
| |  | | --- | | CP | | 32 | 0.498151 | 0.500658 | 0.392802 | 0.543765 | 0.032147 |
| |  | | --- | | CP\_preCG | | 30 | 0.503667 | 0.528449 | 0.000000 | 0.585513 | 0.102623 |
| |  | | --- | | CP\_postCG | | 32 | 0.494995 | 0.516075 | 0.000000 | 0.567498 | 0.097536 |
| |  | | --- | | CP\_SMA | | 31 | 0.405748 | 0.506529 | 0.000000 | 0.566706 | 0.205194 |
| |  | | --- | | CP\_FL | | 32 | 0.507613 | 0.514410 | 0.386749 | 0.557250 | 0.034275 |
| |  | | --- | | PLIC | | 32 | 0.476526 | 0.483811 | 0.376157 | 0.526054 | 0.036162 |
| |  | | --- | | PLIC\_preCG | | 32 | 0.498296 | 0.504094 | 0.377619 | 0.562286 | 0.036906 |
| |  | | --- | | PLIC\_postCG | | 32 | 0.471156 | 0.479616 | 0.327010 | 0.530550 | 0.046656 |
| |  | | --- | | PLIC\_SMA | | 31 | 0.427521 | 0.469712 | 0.000000 | 0.539114 | 0.148235 |
| |  | | --- | | PLIC\_FL | | 32 | 0.470105 | 0.485853 | 0.000000 | 0.536500 | 0.091770 |

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| **ROI** | **Mean Diffusivity** | | | | | |
| |  | | --- | | n | | |  | | --- | | Mean | | |  | | --- | | Median | | |  | | --- | | Minimum | | |  | | --- | | Maximum | | |  | | --- | | SD | |
| |  | | --- | | CP | | 32 | 0.822942 | 0.811787 | 0.735715 | 0.999721 | 0.053906 |
| |  | | --- | | CP\_preCG | | 30 | 0.758367 | 0.764564 | 0.000000 | 0.928294 | 0.152732 |
| |  | | --- | | CP\_postCG | | 32 | 0.776359 | 0.799121 | 0.000000 | 0.883492 | 0.146626 |
| |  | | --- | | CP\_SMA | | 31 | 0.638857 | 0.756030 | 0.000000 | 1.012940 | 0.324603 |
| |  | | --- | | CP\_FL | | 32 | 0.791132 | 0.779015 | 0.719821 | 1.083520 | 0.063669 |
| |  | | --- | | PLIC | | 32 | 0.831374 | 0.826809 | 0.724894 | 1.046770 | 0.067746 |
| |  | | --- | | PLIC\_preCG | | 32 | 0.792813 | 0.780620 | 0.707219 | 0.987033 | 0.059990 |
| |  | | --- | | PLIC\_postCG | | 32 | 0.834975 | 0.827035 | 0.696578 | 1.144790 | 0.085115 |
| |  | | --- | | PLIC\_SMA | | 31 | 0.733165 | 0.781349 | 0.000000 | 1.045070 | 0.255213 |
| |  | | --- | | PLIC\_FL | | 32 | 0.779762 | 0.785680 | 0.000000 | 1.079660 | 0.157069 |

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| **ROI** | **Apparent Diffusivity** | | | | | |
| |  | | --- | | n | | |  | | --- | | Mean | | |  | | --- | | Median | | |  | | --- | | Minimum | | |  | | --- | | Maximum | | |  | | --- | | SD | |
| |  | | --- | | CP | | 31 | 1.307832 | 1.317070 | 1.202850 | 1.427960 | 0.055635 |
| |  | | --- | | CP\_preCG | | 26 | 1.236788 | 1.285410 | 0.000000 | 1.392250 | 0.258583 |
| |  | | --- | | CP\_postCG | | 27 | 1.249003 | 1.303220 | 0.000000 | 1.394180 | 0.253819 |
| |  | | --- | | CP\_SMA | | 28 | 0.999137 | 1.230050 | 0.000000 | 1.444380 | 0.534960 |
| |  | | --- | | CP\_FL | | 29 | 1.277883 | 1.289430 | 1.183130 | 1.525110 | 0.065776 |
| |  | | --- | | PLIC | | 31 | 1.284194 | 1.295340 | 1.176770 | 1.385730 | 0.057548 |
| |  | | --- | | PLIC\_preCG | | 29 | 1.230221 | 1.256360 | 0.156793 | 1.450310 | 0.215221 |
| |  | | --- | | PLIC\_postCG | | 29 | 1.255159 | 1.281050 | 0.215392 | 1.530020 | 0.217539 |
| |  | | --- | | PLIC\_SMA | | 29 | 1.086251 | 1.213810 | 0.000000 | 1.458840 | 0.429677 |
| |  | | --- | | PLIC\_FL | | 28 | 1.173587 | 1.233425 | 0.000000 | 1.348830 | 0.307650 |

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| **ROI** | **Radial Diffusivity** | | | | | |
| |  | | --- | | n | | |  | | --- | | Mean | | |  | | --- | | Median | | |  | | --- | | Minimum | | |  | | --- | | Maximum | | |  | | --- | | SD | |
| |  | | --- | | CP | | 32 | 0.580601 | 0.562881 | 0.489894 | 0.7856 | 0.05901 |
| |  | | --- | | CP\_preCG | | 30 | 0.516600 | 0.510169 | 0.000000 | 0.6963 | 0.11488 |
| |  | | --- | | CP\_postCG | | 32 | 0.536381 | 0.551404 | 0.000000 | 0.6752 | 0.10894 |
| |  | | --- | | CP\_SMA | | 31 | 0.446580 | 0.517988 | 0.000000 | 0.7972 | 0.23331 |
| |  | | --- | | CP\_FL | | 32 | 0.549261 | 0.528137 | 0.488165 | 0.8627 | 0.06846 |
| |  | | --- | | PLIC | | 32 | 0.602073 | 0.586044 | 0.498954 | 0.8356 | 0.07353 |
| |  | | --- | | PLIC\_preCG | | 32 | 3.726020 | 0.545324 | 0.478774 | 102.0000 | 17.93308 |
| |  | | --- | | PLIC\_postCG | | 32 | 0.606538 | 0.597736 | 0.480481 | 0.9522 | 0.09230 |
| |  | | --- | | PLIC\_SMA | | 31 | 0.531648 | 0.550089 | 0.000000 | 0.8562 | 0.19423 |
| |  | | --- | | PLIC\_FL | | 32 | 0.557148 | 0.557799 | 0.000000 | 0.8613 | 0.12306 |

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| **ROI** | U Mann-Whitney test; **Fractional Anisotropy** | | | | | | |
| |  | | --- | | Mean **Right side** | | |  | | --- | | Mean **Left side** | | |  | | --- | | p | | |  | | --- | | n Right side | | |  | | --- | | n Left side | | |  | | --- | | SD Right side | | |  | | --- | | SD Left side | |
| |  | | --- | | CP | | 0.498235 | 0.498068 | 0.988559 | 16 | 16 | 0.026250 | 0.038035 |
| |  | | --- | | CP\_preCG | | 0.522747 | 0.486971 | 0.349719 | 14 | 16 | 0.036050 | 0.136372 |
| |  | | --- | | CP\_postCG | | 0.514773 | 0.475217 | 0.257945 | 16 | 16 | 0.029501 | 0.133999 |
| |  | | --- | | CP\_SMA | | 0.410972 | 0.400851 | 0.893557 | 15 | 16 | 0.214738 | 0.202777 |
| |  | | --- | | CP\_FL | | 0.513536 | 0.501691 | 0.336511 | 16 | 16 | 0.026005 | 0.040948 |
| |  | | --- | | PLIC | | 0.477714 | 0.475339 | 0.856133 | 16 | 16 | 0.030672 | 0.041938 |
| |  | | --- | | PLIC\_preCG | | 0.493175 | 0.503417 | 0.441527 | 16 | 16 | 0.040467 | 0.033487 |
| |  | | --- | | PLIC\_postCG | | 0.470908 | 0.471405 | 0.976556 | 16 | 16 | 0.040580 | 0.053403 |
| |  | | --- | | PLIC\_SMA | | 0.439382 | 0.416401 | 0.673664 | 15 | 16 | 0.131210 | 0.166151 |
| |  | | --- | | PLIC\_FL | | 0.490864 | 0.449345 | 0.205722 | 16 | 16 | 0.029199 | 0.125031 |

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| **ROI** | U Mann-Whitney test; **Fractional Anisotropy** | | | | | | |
| |  | | --- | | Mean **Females** | | |  | | --- | | Mean **Males** | | |  | | --- | | p | | |  | | --- | | n Females | | |  | | --- | | n Males | | |  | | --- | | SD Females | | |  | | --- | | SD Males | |
| |  | | --- | | CP | | 0.499652 | 0.495287 | 0.721644 | 21 | 11 | 0.033096 | 0.031609 |
| |  | | --- | | CP\_preCG | | 0.518791 | 0.473418 | 0.260765 | 20 | 10 | 0.036947 | 0.171837 |
| |  | | --- | | CP\_postCG | | 0.482988 | 0.517918 | 0.344234 | 21 | 11 | 0.116825 | 0.036251 |
| |  | | --- | | CP\_SMA | | 0.404165 | 0.409073 | 0.951612 | 21 | 10 | 0.204284 | 0.218158 |
| |  | | --- | | CP\_FL | | 0.505375 | 0.511887 | 0.617764 | 21 | 11 | 0.035765 | 0.032448 |
| |  | | --- | | PLIC | | 0.476372 | 0.476821 | 0.974056 | 21 | 11 | 0.037474 | 0.035287 |
| |  | | --- | | PLIC\_preCG | | 0.500795 | 0.493525 | 0.604821 | 21 | 11 | 0.027407 | 0.051787 |
| |  | | --- | | PLIC\_postCG | | 0.472119 | 0.469318 | 0.874947 | 21 | 11 | 0.048052 | 0.046093 |
| |  | | --- | | PLIC\_SMA | | 0.430322 | 0.421639 | 0.881841 | 21 | 10 | 0.146920 | 0.158810 |
| |  | | --- | | PLIC\_FL | | 0.459740 | 0.489893 | 0.386083 | 21 | 11 | 0.110425 | 0.032614 |

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| **ROI** | U Mann-Whitney test; **Fractional Anisotropy** | | | | | | |
| |  | | --- | | Mean **Age <55** | | |  | | --- | | Mean **Age >55** | | |  | | --- | | p | | |  | | --- | | n Age<55 | | |  | | --- | | n Age >55 | | |  | | --- | | SD Age >55 | | |  | | --- | | SD Age >55 | |
| |  | | --- | | CP | | 0.503701 | 0.493254 | 0.367509 | 15 | 17 | 0.023517 | 0.038262 |
| |  | | --- | | CP\_preCG | | 0.532647 | 0.478308 | 0.151108 | 14 | 16 | 0.027955 | 0.134958 |
| |  | | --- | | CP\_postCG | | 0.524823 | 0.468677 | 0.105055 | 15 | 17 | 0.022634 | 0.128115 |
| |  | | --- | | CP\_SMA | | 0.383869 | 0.426260 | 0.574203 | 15 | 16 | 0.240442 | 0.171243 |
| |  | | --- | | CP\_FL | | 0.520148 | 0.496554 | 0.050254 | 15 | 17 | 0.019233 | 0.040929 |
| |  | | --- | | PLIC | | 0.483931 | 0.469993 | 0.283800 | 15 | 17 | 0.028353 | 0.041636 |
| |  | | --- | | PLIC\_preCG | | 0.506617 | 0.490954 | 0.236922 | 15 | 17 | 0.028965 | 0.042222 |
| |  | | --- | | PLIC\_postCG | | 0.481158 | 0.462331 | 0.261334 | 15 | 17 | 0.028749 | 0.057601 |
| |  | | --- | | PLIC\_SMA | | 0.414271 | 0.439943 | 0.637917 | 15 | 16 | 0.174891 | 0.122716 |
| |  | | --- | | PLIC\_FL | | 0.494676 | 0.448424 | 0.158076 | 15 | 17 | 0.025072 | 0.121250 |

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| **ROI** | U Mann-Whitney test; **Fractional Anisotropy** | | | | | | |
| |  | | --- | | Mean **No infiltration** | | |  | | --- | | Mean **CST infiltrated** | | |  | | --- | | p | | |  | | --- | | n  No infiltration | | |  | | --- | | n CST infiltrated | | |  | | --- | | SD No infiltration | | |  | | --- | | Mean  CST infiltrated | |
| |  | | --- | | CP | | 0.492625 | 0.504414 | 0.308278 | 17 | 15 | 0.038201 | 0.023267 |
| |  | | --- | | CP\_preCG | | 0.510314 | 0.497019 | 0.729418 | 15 | 15 | 0.046936 | 0.139705 |
| |  | | --- | | CP\_postCG | | 0.467716 | 0.525912 | 0.092395 | 17 | 15 | 0.127844 | 0.021407 |
| |  | | --- | | CP\_SMA | | 0.366346 | 0.447778 | 0.276787 | 16 | 15 | 0.222640 | 0.182889 |
| |  | | --- | | CP\_FL | | 0.499280 | 0.517058 | 0.145881 | 17 | 15 | 0.042048 | 0.020019 |
| |  | | --- | | PLIC | | 0.468793 | 0.485291 | 0.202744 | 17 | 15 | 0.041191 | 0.028313 |
| |  | | --- | | PLIC\_preCG | | 0.490956 | 0.506615 | 0.237064 | 17 | 15 | 0.041623 | 0.029940 |
| |  | | --- | | PLIC\_postCG | | 0.457470 | 0.486667 | 0.076821 | 17 | 15 | 0.056781 | 0.025500 |
| |  | | --- | | PLIC\_SMA | | 0.383369 | 0.474616 | 0.086758 | 16 | 15 | 0.193962 | 0.046621 |
| |  | | --- | | PLIC\_FL | | 0.453238 | 0.489221 | 0.275372 | 17 | 15 | 0.123329 | 0.022980 |

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| **ROI** | U Mann-Whitney test; **Mean Diffusivity** | | | | | | |
| |  | | --- | | Mean **Right side** | | |  | | --- | | Mean **Left side** | | |  | | --- | | p | | |  | | --- | | n Right side | | |  | | --- | | n Left side | | |  | | --- | | SD Right side | | |  | | --- | | SD Left side | |
| |  | | --- | | CP | | 0.810000 | 0.835884 | 0.178497 | 16 | 16 | 0.047317 | 0.058388 |
| |  | | --- | | CP\_preCG | | 0.781961 | 0.737721 | 0.438318 | 14 | 16 | 0.055021 | 0.203718 |
| |  | | --- | | CP\_postCG | | 0.798201 | 0.754516 | 0.408309 | 16 | 16 | 0.034006 | 0.205567 |
| |  | | --- | | CP\_SMA | | 0.609794 | 0.666104 | 0.637346 | 15 | 16 | 0.318057 | 0.338648 |
| |  | | --- | | CP\_FL | | 0.775634 | 0.806630 | 0.172364 | 16 | 16 | 0.036555 | 0.080803 |
| |  | | --- | | PLIC | | 0.820420 | 0.842328 | 0.368948 | 16 | 16 | 0.055444 | 0.078454 |
| |  | | --- | | PLIC\_preCG | | 0.795870 | 0.789755 | 0.778358 | 16 | 16 | 0.057642 | 0.063992 |
| |  | | --- | | PLIC\_postCG | | 0.831920 | 0.838029 | 0.842960 | 16 | 16 | 0.063563 | 0.104460 |
| |  | | --- | | PLIC\_SMA | | 0.753305 | 0.714284 | 0.677920 | 15 | 16 | 0.224370 | 0.287220 |
| |  | | --- | | PLIC\_FL | | 0.792227 | 0.767297 | 0.660887 | 16 | 16 | 0.042275 | 0.221060 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ROI** | U Mann-Whitney test; **Mean Diffusivity** | | | | | | |
| |  | | --- | | Mean **Females** | | |  | | --- | | Mean **Males** | | |  | | --- | | p | | |  | | --- | | n Females | | |  | | --- | | n Males | | |  | | --- | | SD Females | | |  | | --- | | Mean **Females** | |
| |  | | --- | | CP | | 0.815682 | 0.836803 | 0.300023 | 21 | 11 | 0.060850 | 0.035784 |
| |  | | --- | | CP\_preCG | | 0.786656 | 0.701789 | 0.154708 | 20 | 10 | 0.054219 | 0.252238 |
| |  | | --- | | CP\_postCG | | 0.764429 | 0.799134 | 0.533651 | 21 | 11 | 0.179621 | 0.035365 |
| |  | | --- | | CP\_SMA | | 0.643441 | 0.629232 | 0.911565 | 21 | 10 | 0.327146 | 0.336513 |
| |  | | --- | | CP\_FL | | 0.794833 | 0.784067 | 0.657062 | 21 | 11 | 0.074661 | 0.036529 |
| |  | | --- | | PLIC | | 0.827918 | 0.837972 | 0.696895 | 21 | 11 | 0.074750 | 0.054585 |
| |  | | --- | | PLIC\_preCG | | 0.781730 | 0.813970 | 0.151767 | 21 | 11 | 0.034398 | 0.089663 |
| |  | | --- | | PLIC\_postCG | | 0.828655 | 0.847040 | 0.570223 | 21 | 11 | 0.093633 | 0.068410 |
| |  | | --- | | PLIC\_SMA | | 0.722878 | 0.754769 | 0.751015 | 21 | 10 | 0.246632 | 0.284912 |
| |  | | --- | | PLIC\_FL | | 0.766755 | 0.804593 | 0.526349 | 21 | 11 | 0.191144 | 0.048717 |

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| **ROI** | U Mann-Whitney test; **Mean Diffusivity** | | | | | | |
| |  | | --- | | Mean **Age <55** | | |  | | --- | | Mean **Age >55** | | |  | | --- | | p | | |  | | --- | | n Age<55 | | |  | | --- | | n Age >55 | | |  | | --- | | SD Age >55 | | |  | | --- | | SD Age >55 | |
| |  | | --- | | CP | | 0.801417 | **0.841935** | **0.031404** | 15 | 17 | 0.041492 | 0.057498 |
| |  | | --- | | CP\_preCG | | 0.767863 | 0.750057 | 0.756174 | 14 | 16 | 0.043784 | 0.208038 |
| |  | | --- | | CP\_postCG | | 0.784062 | 0.769562 | 0.785223 | 15 | 17 | 0.032364 | 0.201578 |
| |  | | --- | | CP\_SMA | | 0.545452 | 0.726424 | 0.122612 | 15 | 16 | 0.341002 | 0.292063 |
| |  | | --- | | CP\_FL | | 0.762082 | **0.816764** | **0.012740** | 15 | 17 | 0.027069 | 0.075655 |
| |  | | --- | | PLIC | | 0.804997 | **0.854647** | **0.036265** | 15 | 17 | 0.050097 | 0.073949 |
| |  | | --- | | PLIC\_preCG | | 0.771071 | 0.811997 | 0.052490 | 15 | 17 | 0.034125 | 0.071551 |
| |  | | --- | | PLIC\_postCG | | 0.808320 | 0.858493 | 0.096590 | 15 | 17 | 0.054597 | 0.100868 |
| |  | | --- | | PLIC\_SMA | | 0.685572 | 0.777783 | 0.322970 | 15 | 16 | 0.290020 | 0.217656 |
| |  | | --- | | PLIC\_FL | | 0.777931 | 0.781377 | 0.951820 | 15 | 17 | 0.032097 | 0.216546 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ROI** | U Mann-Whitney test; **Mean Diffusivity** | | | | | | |
| |  | | --- | | Mean **No infiltration** | | |  | | --- | | Mean **CST infiltrated** | | |  | | --- | | p | | |  | | --- | | n  No infiltration | | |  | | --- | | n CST infiltrated | | |  | | --- | | SD No infiltration | | |  | | --- | | Mean  CST infiltrated | |
| |  | | --- | | CP | | **0.840831** | 0.802668 | **0.043645** | 17 | 15 | 0.059213 | 0.039978 |
| |  | | --- | | CP\_preCG | | 0.806766 | 0.709967 | 0.082378 | 15 | 15 | 0.056007 | 0.200409 |
| |  | | --- | | CP\_postCG | | 0.770101 | 0.783451 | 0.801915 | 17 | 15 | 0.201462 | 0.033452 |
| |  | | --- | | CP\_SMA | | 0.612167 | 0.667327 | 0.644260 | 16 | 15 | 0.372564 | 0.274566 |
| |  | | --- | | CP\_FL | | 0.810686 | 0.768971 | 0.063237 | 17 | 15 | 0.079546 | 0.027461 |
| |  | | --- | | PLIC | | 0.853064 | 0.806792 | 0.052188 | 17 | 15 | 0.074309 | 0.051315 |
| |  | | --- | | PLIC\_preCG | | 0.806519 | 0.777279 | 0.172698 | 17 | 15 | 0.053110 | 0.065257 |
| |  | | --- | | PLIC\_postCG | | **0.865668** | 0.800189 | **0.027324** | 17 | 15 | 0.098333 | 0.050500 |
| |  | | --- | | PLIC\_SMA | | 0.662820 | 0.808200 | 0.114342 | 16 | 15 | 0.333692 | 0.092631 |
| |  | | --- | | PLIC\_FL | | 0.775778 | 0.784277 | 0.881515 | 17 | 15 | 0.215131 | 0.041158 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ROI** | U Mann-Whitney test; **Apparent Diffusion** | | | | | | |
| |  | | --- | | Mean **Right side** | | |  | | --- | | Mean **Left side** | | |  | | --- | | p | | |  | | --- | | n Right side | | |  | | --- | | n Left side | | |  | | --- | | SD Right side | | |  | | --- | | SD Left side | |
| |  | | --- | | CP | | 1.290526 | 1.326292 | 0.072952 | 16 | 15 | 0.052104 | 0.054923 |
| |  | | --- | | CP\_preCG | | 1.280500 | 1.193077 | 0.399720 | 13 | 13 | 0.052635 | 0.363857 |
| |  | | --- | | CP\_postCG | | 1.293353 | 1.207821 | 0.392133 | 13 | 14 | 0.032273 | 0.352269 |
| |  | | --- | | CP\_SMA | | 0.930553 | 1.050575 | 0.566747 | 12 | 16 | 0.563113 | 0.525362 |
| |  | | --- | | CP\_FL | | 1.262825 | 1.291937 | 0.240423 | 14 | 15 | 0.046415 | 0.078830 |
| |  | | --- | | PLIC | | 1.276824 | 1.292055 | 0.470825 | 16 | 15 | 0.053955 | 0.062043 |
| |  | | --- | | PLIC\_preCG | | 1.193314 | 1.269764 | 0.348375 | 15 | 14 | 0.291203 | 0.072033 |
| |  | | --- | | PLIC\_postCG | | 1.220957 | 1.291804 | 0.390553 | 15 | 14 | 0.283133 | 0.113138 |
| |  | | --- | | PLIC\_SMA | | 1.077703 | 1.094229 | 0.919781 | 14 | 15 | 0.421831 | 0.451522 |
| |  | | --- | | PLIC\_FL | | 1.181237 | 1.165936 | 0.898220 | 14 | 14 | 0.283197 | 0.340957 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ROI** | U Mann-Whitney test; **Apparent Diffusion** | | | | | | |
| |  | | --- | | Mean **Females** | | |  | | --- | | Mean **Males** | | |  | | --- | | p | | |  | | --- | | n Females | | |  | | --- | | n Males | | |  | | --- | | SD Females | | |  | | --- | | Mean **Females** | |
| |  | | --- | | CP | | 1.298971 | 1.323944 | 0.238040 | 20 | 11 | 0.062571 | 0.037477 |
| |  | | --- | | CP\_preCG | | 1.284672 | 1.146341 | 0.200403 | 17 | 9 | 0.058792 | 0.433550 |
| |  | | --- | | CP\_postCG | | 1.230355 | 1.293293 | 0.566580 | 19 | 8 | 0.302207 | 0.035462 |
| |  | | --- | | CP\_SMA | | 1.006901 | 0.982748 | 0.913636 | 19 | 9 | 0.537929 | 0.560662 |
| |  | | --- | | CP\_FL | | 1.276746 | 1.280411 | 0.892528 | 20 | 9 | 0.073240 | 0.048914 |
| |  | | --- | | PLIC | | 1.275807 | 1.299444 | 0.281265 | 20 | 11 | 0.055316 | 0.061034 |
| |  | | --- | | PLIC\_preCG | | 1.196348 | 1.305494 | 0.212249 | 20 | 9 | 0.248166 | 0.081304 |
| |  | | --- | | PLIC\_postCG | | 1.224407 | 1.305479 | 0.339258 | 18 | 11 | 0.270188 | 0.062567 |
| |  | | --- | | PLIC\_SMA | | 1.046634 | 1.161523 | 0.503688 | 19 | 10 | 0.440896 | 0.419516 |
| |  | | --- | | PLIC\_FL | | 1.116917 | 1.275592 | 0.196395 | 18 | 10 | 0.372920 | 0.057231 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ROI** | U Mann-Whitney test; **Apparent Diffusion** | | | | | | |
| |  | | --- | | Mean Age <55 | | |  | | --- | | Mean Age >55 | | |  | | --- | | p | | |  | | --- | | n Age<55 | | |  | | --- | | n Age >55 | | |  | | --- | | SD Age >55 | | |  | | --- | | SD Age >55 | |
| |  | | --- | | CP | | 1.284137 | **1.330046** | **0.018907** | 15 | 16 | 0.053387 | 0.049422 |
| |  | | --- | | CP\_preCG | | 1.275072 | 1.203974 | 0.495838 | 12 | 14 | 0.061020 | 0.350605 |
| |  | | --- | | CP\_postCG | | 1.287622 | 1.218108 | 0.490289 | 12 | 15 | 0.056742 | 0.338842 |
| |  | | --- | | CP\_SMA | | 0.843142 | 1.134333 | 0.154429 | 13 | 15 | 0.585774 | 0.464360 |
| |  | | --- | | CP\_FL | | 1.247562 | **1.302519** | **0.022282** | 13 | 16 | 0.042847 | 0.071855 |
| |  | | --- | | PLIC | | 1.261327 | **1.305631** | **0.029593** | 15 | 16 | 0.052311 | 0.055285 |
| |  | | --- | | PLIC\_preCG | | 1.248229 | 1.213414 | 0.671389 | 14 | 15 | 0.047192 | 0.299909 |
| |  | | --- | | PLIC\_postCG | | 1.272219 | 1.239236 | 0.690964 | 14 | 15 | 0.069002 | 0.299437 |
| |  | | --- | | PLIC\_SMA | | 1.051376 | 1.118801 | 0.680711 | 14 | 15 | 0.451252 | 0.421675 |
| |  | | --- | | PLIC\_FL | | 1.239264 | 1.107910 | 0.266457 | 14 | 14 | 0.042963 | 0.430630 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ROI** | U Mann-Whitney test; **Apparent Diffusion** | | | | | | |
| |  | | --- | | Mean **No infiltration** | | |  | | --- | | Mean **CST infiltrated** | | |  | | --- | | p | | |  | | --- | | n  No infiltration | | |  | | --- | | n CST infiltrated | | |  | | --- | | SD No infiltration | | |  | | --- | | Mean  CST infiltrated | |
| |  | | --- | | CP | | **1.326946** | 1.284622 | **0.032536** | 17 | 14 | 0.052818 | 0.051492 |
| |  | | --- | | CP\_preCG | | 1.304184 | 1.158160 | 0.155015 | 14 | 12 | 0.050124 | 0.369421 |
| |  | | --- | | CP\_postCG | | 1.210720 | 1.290231 | 0.426793 | 14 | 13 | 0.351056 | 0.050236 |
| |  | | --- | | CP\_SMA | | 0.925250 | 1.073024 | 0.475297 | 14 | 14 | 0.611040 | 0.457439 |
| |  | | --- | | CP\_FL | | 1.297722 | 1.253466 | 0.070667 | 16 | 13 | 0.073995 | 0.045611 |
| |  | | --- | | PLIC | | 1.301153 | 1.266105 | 0.090338 | 16 | 15 | 0.052234 | 0.059111 |
| |  | | --- | | PLIC\_preCG | | 1.206101 | 1.256064 | 0.541908 | 15 | 14 | 0.294832 | 0.069017 |
| |  | | --- | | PLIC\_postCG | | 1.250557 | 1.260822 | 0.902128 | 16 | 13 | 0.292758 | 0.056780 |
| |  | | --- | | PLIC\_SMA | | 0.934003 | **1.249374** | **0.046110** | 15 | 14 | 0.556297 | 0.094742 |
| |  | | --- | | PLIC\_FL | | 1.105916 | 1.241258 | 0.251846 | 14 | 14 | 0.428802 | 0.053328 |

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| **ROI** | U Mann-Whitney test; **Radial Diffusivity** | | | | | | |
| |  | | --- | | Mean Right side | | |  | | --- | | Mean Left side | | |  | | --- | | p | | |  | | --- | | n Right side | | |  | | --- | | n Left side | | |  | | --- | | SD Right side | | |  | | --- | | SD Left side | |
| |  | | --- | | CP | | 0.569737 | 0.591465 | 0.305296 | 16 | 16 | 0.05003 | 0.066645 |
| |  | | --- | | CP\_preCG | | 0.531519 | 0.503545 | 0.515355 | 14 | 16 | 0.06185 | 0.147675 |
| |  | | --- | | CP\_postCG | | 0.548918 | 0.523844 | 0.523949 | 16 | 16 | 0.04430 | 0.149102 |
| |  | | --- | | CP\_SMA | | 0.417473 | 0.473869 | 0.510473 | 15 | 16 | 0.22051 | 0.248678 |
| |  | | --- | | CP\_FL | | 0.532413 | 0.566109 | 0.167550 | 16 | 16 | 0.03901 | 0.086947 |
| |  | | --- | | PLIC | | 0.592217 | 0.611929 | 0.457336 | 16 | 16 | 0.06058 | 0.085414 |
| |  | | --- | | PLIC\_preCG | | 6.901310 | 0.550730 | 0.324512 | 16 | 16 | 25.35974 | 0.068206 |
| |  | | --- | | PLIC\_postCG | | 0.603821 | 0.609255 | 0.870923 | 16 | 16 | 0.07278 | 0.110879 |
| |  | | --- | | PLIC\_SMA | | 0.546372 | 0.517844 | 0.689956 | 15 | 16 | 0.17746 | 0.213639 |
| |  | | --- | | PLIC\_FL | | 0.560830 | 0.553467 | 0.868841 | 16 | 16 | 0.04606 | 0.170726 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ROI** | U Mann-Whitney test; **Radial Diffusivity** | | | | | | |
| |  | | --- | | Średnia F | | |  | | --- | | Średnia M | | |  | | --- | | p | | |  | | --- | | Nważnych F | | |  | | --- | | Nważnych M | | |  | | --- | | Odch.std F | | |  | | --- | | Odch.std M | |
| |  | | --- | | CP | | 0.573985 | 0.593231 | 0.389634 | 21 | 11 | 0.06512 | 0.045222 |
| |  | | --- | | CP\_preCG | | 0.536956 | 0.475888 | 0.174052 | 20 | 10 | 0.06104 | 0.178585 |
| |  | | --- | | CP\_postCG | | 0.529476 | 0.549563 | 0.628219 | 21 | 11 | 0.13049 | 0.049474 |
| |  | | --- | | CP\_SMA | | 0.451570 | 0.436102 | 0.866386 | 21 | 10 | 0.23678 | 0.238069 |
| |  | | --- | | CP\_FL | | 0.553562 | 0.541051 | 0.631284 | 21 | 11 | 0.07975 | 0.041204 |
| |  | | --- | | PLIC | | 0.599369 | 0.607235 | 0.779009 | 21 | 11 | 0.08110 | 0.059664 |
| |  | | --- | | PLIC\_preCG | | 5.374984 | 0.577998 | 0.481372 | 21 | 11 | 22.13961 | 0.099780 |
| |  | | --- | | PLIC\_postCG | | 0.600629 | 0.617820 | 0.624715 | 21 | 11 | 0.10007 | 0.078531 |
| |  | | --- | | PLIC\_SMA | | 0.522246 | 0.551392 | 0.703070 | 21 | 10 | 0.18330 | 0.224618 |
| |  | | --- | | PLIC\_FL | | 0.549379 | 0.571979 | 0.629577 | 21 | 11 | 0.14822 | 0.051380 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ROI** | U Mann-Whitney test; **Radial Diffusivity** | | | | | | |
| |  | | --- | | Mean Age <55 | | |  | | --- | | Mean Age >55 | | |  | | --- | | p | | |  | | --- | | n Age<55 | | |  | | --- | | n Age >55 | | |  | | --- | | SD Age >55 | | |  | | --- | | SD Age >55 | |
| |  | | --- | | CP | | 0.560058 | 0.598727 | 0.063194 | 15 | 17 | 0.042079 | 0.06673 |
| |  | | --- | | CP\_preCG | | 0.514724 | 0.518241 | 0.935050 | 14 | 16 | 0.044180 | 0.15432 |
| |  | | --- | | CP\_postCG | | 0.531082 | 0.541056 | 0.800821 | 15 | 17 | 0.032384 | 0.14842 |
| |  | | --- | | CP\_SMA | | 0.368897 | 0.519408 | 0.071898 | 15 | 16 | 0.231322 | 0.21732 |
| |  | | --- | | CP\_FL | | 0.518724 | **0.576206** | **0.015141** | 15 | 17 | 0.026524 | 0.08259 |
| |  | | --- | | PLIC | | 0.576831 | 0.624346 | 0.067163 | 15 | 17 | 0.054306 | 0.08228 |
| |  | | --- | | PLIC\_preCG | | 0.534173 | 6.542356 | 0.352657 | 15 | 17 | 0.039147 | 24.59900 |
| |  | | --- | | PLIC\_postCG | | 0.578675 | 0.631124 | 0.109812 | 15 | 17 | 0.054387 | 0.11202 |
| |  | | --- | | PLIC\_SMA | | 0.494343 | 0.566621 | 0.308447 | 15 | 16 | 0.220393 | 0.16560 |
| |  | | --- | | PLIC\_FL | | 0.548171 | 0.565069 | 0.704968 | 15 | 17 | 0.034870 | 0.16774 |

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| **ROI** | U Mann-Whitney test; **Radial Diffusivity** | | | | | | |
| |  | | --- | | Mean **No infiltration** | | |  | | --- | | Mean **CST infiltrated** | | |  | | --- | | p | | |  | | --- | | n  No infiltration | | |  | | --- | | n CST infiltrated | | |  | | --- | | SD No infiltration | | |  | | --- | | Mean  CST infiltrated | |
| |  | | --- | | CP | | 0.597774 | 0.561138 | 0.079315 | 17 | 15 | 0.06799 | 0.040786 |
| |  | | --- | | CP\_preCG | | **0.557753** | 0.475446 | **0.047752** | 15 | 15 | 0.06967 | 0.137305 |
| |  | | --- | | CP\_postCG | | 0.540893 | 0.531266 | 0.807636 | 17 | 15 | 0.14787 | 0.035215 |
| |  | | --- | | CP\_SMA | | 0.434779 | 0.459169 | 0.776612 | 16 | 15 | 0.27226 | 0.192076 |
| |  | | --- | | CP\_FL | | 0.569346 | 0.526499 | 0.076804 | 17 | 15 | 0.08716 | 0.025527 |
| |  | | --- | | PLIC | | 0.624080 | 0.577132 | 0.070688 | 17 | 15 | 0.08303 | 0.053269 |
| |  | | --- | | PLIC\_preCG | | 6.537365 | 0.539829 | 0.353524 | 17 | 15 | 24.60024 | 0.069102 |
| |  | | --- | | PLIC\_postCG | | **0.638939** | 0.569817 | **0.032083** | 17 | 15 | 0.10825 | 0.052462 |
| |  | | --- | | PLIC\_SMA | | 0.480800 | 0.585885 | 0.134562 | 16 | 15 | 0.24658 | 0.097945 |
| |  | | --- | | PLIC\_FL | | 0.557795 | 0.556415 | 0.975366 | 17 | 15 | 0.16700 | 0.040742 |