

Appendix 1 to Zhang L, Hu X, Lu L, et al. Anatomic alterations across amygdala subnuclei in medication-free patients with obsessive–compulsive disorder. *J Psychiatry Neurosci* 2020.

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Supplementary Table 1, Group Comparison Between Drug-Naïve Patients with OCD and HC

| | OCD(n=69) | | HC(n=95) | | F | η^2 | P |
|----------------------|-----------|--------|----------|--------|--------|----------|---------------------|
| | Mean | S.E | Mean | S.E | | | |
| Left Whole amygdala | 1649.476 | 20.820 | 1710.256 | 17.730 | 4.918 | .030 | 0.028 ^a |
| Right Whole amygdala | 1703.832 | 22.318 | 1798.648 | 19.006 | 10.414 | .061 | 0.002 ^a |
| Left CeA | 35.897 | 1.249 | 41.642 | 1.064 | 12.207 | .071 | 0.001 ^a |
| Left BLA | | | | | | | |
| Left LA | 619.702 | 7.720 | 642.399 | 6.574 | 4.987 | .030 | 0.027 ^b |
| Left Ba | 429.283 | 5.848 | 440.786 | 4.980 | 2.232 | .014 | 0.137 |
| Left AB | 229.149 | 3.726 | 245.464 | 3.173 | 11.063 | .065 | 0.001 ^b |
| Right CeA | 38.569 | 1.064 | 44.632 | .906 | 18.723 | .105 | <0.001 ^a |
| Right BLA | | | | | | | |
| Right LA | 634.545 | 8.713 | 660.393 | 7.420 | 5.077 | .031 | 0.026 ^b |
| Right Ba | 438.989 | 6.377 | 460.112 | 5.430 | 6.331 | .038 | 0.013 ^b |
| Right AB | 241.578 | 3.915 | 268.476 | 3.334 | 27.231 | .146 | <0.001 ^b |

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|------------------------------------|---------|-------|---------|-------|--------|------|--------|
| Left Me | 19.191 | .710 | 21.359 | .604 | 5.387 | .033 | 0.022 |
| Left Co | 19.771 | .547 | 22.049 | .466 | 9.986 | .059 | 0.002* |
| Left Paralaminar nucleus | 54.028 | .800 | 53.623 | .681 | .148 | .001 | 0.701 |
| Left AAA | 54.187 | .853 | 55.071 | .726 | .621 | .004 | 0.432 |
| Left Corticoamygdaloid transition | 188.268 | 2.861 | 187.864 | 2.436 | .012 | .000 | 0.915 |
| Right Me | 21.36 | .697 | 25.932 | .594 | 24.799 | .135 | <.001* |
| Right Co | 21.779 | .503 | 26.207 | .428 | 44.704 | .219 | <.001* |
| Right Paralaminar nucleus | 54.735 | .878 | 54.751 | .748 | .000 | .000 | .989 |
| Right AAA | 58.607 | 1.058 | 60.46 | .901 | 1.772 | .011 | .185 |
| Right Corticoamygdaloid transition | 193.671 | 2.798 | 197.685 | 2.383 | 1.187 | .007 | .277 |

Note: a indicates significance with nominal threshold, b indicates significance after false discovery rate (FDR) correction for multiple testing and *indicates significance after Bonferroni correction. η^2 : partial eta squared, in which 0.01 indicates small, 0.06 indicates medium and 0.14 indicates large effect sizes. CeA: central nucleus of amygdala. BLA, basolateral complex of the amygdala which consists of the lateral (LA), basal (Ba) and accessory basal (AB) nuclei of amygdala. Me: medial nucleus; Co: cortical nucleus; AAA: anterior amygdaloid area. OCD, obsessive-compulsive disorder. HC, healthy control.

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Supplementary Table 2 Comparison of Percent Volume Reduction across subnuclei.

| | Test Statistic | Std. Error | Std. Test Statistic | P-Value ^a |
|---------------|-------------------|---------------|------------------------|----------------------|
| Left | | | | 0.002 |
| CeA-AB | 24.43 | 11.18 | 2.19 | 0.087 |
| CeA-LA | 38.82 | 11.18 | 3.47 | 0.002 |
| LA-AB | 14.39 | 11.18 | 1.29 | 0.595 |
| Right | | | | 0.001 |
| CeA-AB | 10.04 | 14.90 | 0.67 | 1.000 |
| CeA-Ba | 46.59 | 14.90 | 3.13 | 0.011 |
| CeA-LA | 47.49 | 14.90 | 3.19 | 0.009 |
| AB-Ba | 36.55 | 14.90 | 2.45 | 0.085 |
| AB-LA | 37.46 | 14.90 | 2.51 | 0.072 |
| Ba-LA | 0.90 | 14.90 | 0.06 | 1.000 |

Note: a. Significance values have been adjusted by the Bonferroni correction for multiple tests in post hoc analysis. Bold indicates significance. CeA: central nucleus of amygdala. BLA, basolateral complex of the amygdala which consists of the lateral (LA), basal (Ba) and accessory basal (AB) nuclei of amygdala.