**Appendix**

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**Supplementary Figure** **1.** Regions positively associated with AUCg during social evaluation (judged > unjudged math; *p* < 0.005, no cluster correction). The largest clusters are observed in bilateral frontal pole (197 and 86 voxels, respectively).

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**Supplementary Figure 2.** Regions positively associated with poorer behavioral performance on the judged math task compared to unjudged math task (judged > unjudged math; *p* < 0.005, no cluster correction). The largest clusters are observed in the left postcentral gyrus, left central opercular cortex, and left precentral gyrus (159, 153, and 144 voxels, respectively).

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| **Supplementary Table 1.** Means and standard deviations for nine cortisol sampling timepoints in Responder and Non-Responder groups. | | | |
| Sample | Responder Mean (SD)  in nmol/L | Non-Responder Mean (SD) in nmol/L | t-value (*p*) |
| 1 | 3.38 (1.83) | 2.64 (1.68) | -1.46 (0.15) |
| 2 | 3.06 (1.71) | 2.40 (1.11) | -1.34 (0.19) |
| 3 | 3.01 (4.15) | 4.2 (1.69) | 0.53 (0.60) |
| 4 | 3.26 (3.53) | 3.75 (3.93) | 0.49 (0.62) |
| 5 | 5.42 (7.63) | 2.38 (2.04) | -2.10 (0.04) |
| 6 | 6.73 (9.37) | 2.45 (2.52) | -2.72 (0.01) |
| 7 | 5.16 (7.39) | 1.96 (1.62) | -3.11 (0.004) |
| 8 | 5.32 (9.19) | 1.75 (1.30) | -3.06 (0.005) |
| 9 | 4.91 (9.10) | 1.93 (1.20) | -2.22 (0.03) |

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| **Supplementary Table 2.** Means and standard deviations for self-reported stress during each period of the MISTiC session by cortisol response group. Responses to the question, “How stressed were you…” ranged from 1 = “Not at all” to 5 = “A whole lot.” There were no statistical differences in perceived stress between groups. | | |
| Period | Responder  Mean (SD) | Non-Responder  Mean (SD) |
| Arrival | 1.74 (0.87) | 2.06 (1.06) |
| Before MRI | 2.00 (0.88) | 1.67 (1.03) |
| During MRI: No task | 1.74 (0.73) | 2.11 (1.28) |
| During MRI: Math task | 3.47 (1.22) | 3.11 (1.02) |
| After MRI | 1.47 (0.84) | 1.50 (0.71) |