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Supplementary Material

Article Title: The Association Between Body Mass Index and Remission Rates in Patients With Treatment-Resistant Depression Who Received Intravenous Ketamine

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Appendix 1: Additional Analysis. Quantitative percent change in MADRS score from baseline to final assessment was modeled using linear regression, with log (BMI) or BMI obesity category as the predictor and with baseline MADRS score included as a covariate.

Quantitative percent change in MADRS score adjusted for baseline MADRS was not significantly associated with log (BMI) ($p=0.15$), but showed marginally significant association with ordinal BMI obesity categories ($p=0.064$) and a significant difference between the normal BMI and class II obesity categories ($p=0.017$).

Supplementary Table 1. Patient Baseline Characteristics

	N=22	Remitter n=10	Non-remitter n=12	p-value
Age, mean (SD)	46.43 (11.49)	46.29 (10.67)	46.56 (12.60)	0.96
Female, n (%)	17 (77.27)	6 (60)	11 (91.67)	0.14
Caucasian, n (%)	21 (95.46)	10 (100)	11 (91.67)	1.00
BMI, mean (SD)	30.73 (6.59)	33.70 (7.29)	28.3 (5.00)	0.053
Height, mean (SD)	166.64 (7.36)	166.7 (7.93)	166.6 (7.21)	0.97
Weight, mean (SD)	85.65 (21.01)	94.36 (24.23)	78.39 (15.37)	0.07
Baseline MADRS	31.18 (7.20)	29.8 (7.18)	32.33 (7.32)	0.42
MADRS at 100 min	18.36 (9.59)	12.3 (6.68)	23.42 (98.83)	0.004
MADRS at 24 hr	18.86 (9.76)	12.6 (7.25)	24.08 (8.58)	0.003
MADRS, Q10, baseline	2.86 (1.61)	3.6 (1.17)	2.25 (1.71)	0.048
MADRS, Q10, 24hr	1.50 (1.26)	1.5 (1.18)	1.5 (1.38)	1.0

Abbreviations

3 patients who responded at 1 hr, did not meet response criteria at 24 hr

4 patients met remission criteria at 1 hr, of whom 3 continued to meet remission (1 did not)

8 patients met response criteria at 1 hr, of whom 4 met criteria at 24 hr (4 did not)

3 additional subjects met response criteria at 24 hr

P-value is comparing patient characteristics between remitters and non-remitters.

Supplementary Table 2. : Remission rate to IV ketamine with subsequent infusions

Number of infusions administered	Number of patients infused	Number of patients remitted
1 ^a	5	4
2	4	4
3 ^a	2	1
4	11	1

^aOne patient dropped out after the first infusion and one after the third infusion despite not achieving remission