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| **Supplementary Table S1.** *Subgroup demographic and clinical characteristics* |
|  | Age,Mean (SD),Years | Sex, No. (%) Female | BMI,Mean (SD) | Smoking,No. (%) Yes | BaselineHAM-D24,Mean (SD) | Psychosis,No. (%) Yes | Electrode Placement, No. (%) Unilateral | Polarity,No. (%) Bipolar |
| Polarity |  |  |  |  |  |  |  |  |
|  Unipolar (*n* = 54) | 57.3 (12.8) | 36 (66.7) | 27 (4.9) | 18 (33.3) | 30.6 (6.8) | 13 (24.1) | 29 (53.7) | *-* |
|  Bipolar (*n* = 13) | 51.9 (11.1) | 7 (53.8) | 28.2 (6.9) | 11 (84.6) | 28.6 (4.5) | 3 (23.1) | 6 (46.2) | *-* |
|  *Statistics* | *t* = -1.39, *p* = 0.17 | χ2 = 0.75, *p* = 0.39 | *t* = -0.77, *p* = 0.44 | χ2 = 11.22, *p* = 0.001 | *t* = 1.01, *p* = 0.32 | χ2 = 0.006, *p* = 0.94 | χ2 = 0.24, *p* = 0.63 | - |
| Psychosis |  |  |  |  |  |  |  |  |
|  Yes (*n* = 16) | 60.2 (10.5) | 11 (68.8) | 25.3 (4.4) | 7 (43.8) | 33.7 (8.7) | - | 8 (50) | 3 (18.8) |
|  No (*n* = 51) | 55 (13) | 32 (62.7) | 27.8 (5.4) | 22 (43.1) | 29.1 (5.2) | - | 27 (52.9) | 10 (19.6) |
|  *Statistics* | *t* = -1.45, *p* = 0.15 | χ2 = .19, *p* = 0.66 | *t* = 1.70, *p* = 0.09 | χ2 = 0.002, *p* = 0.97 | *t* = -2, *p* = 0.06 | *-* | χ2 = 0.04, *p* = 0.84 | χ2 = 0.006, *p* = 0.94 |
| Polarity + Psychosis (Yes/No) |  |  |  |  |  |  |  |  |
|  Unipolar + Yes (*n* = 13) | 60.7 (10.9) | 9 (69.2) | 25.1 (4.5) | 5 (38.5) | 34.7 (9) | - | 7 (53.8) | - |
|  Unipolar + No (*n* = 41) | 56.2 (13.2) | 27 (65.9) | 27.5 (4.9) | 13 (31.7) | 29.3 (5.4) | - | 22 (53.7) | - |
|  *Statistics* | *t* = -1.10,*p* = 0.28 | χ2 = 0.05,*p* = 0.82 | *t* = 1.57,*p* = 0.12 | χ2 = 0.20,*p* = 0.65 | *t* = -2.04,*p* = 0.06 | - | χ2 < 0.01,*p* = 0.99 | - |
| Laterality |  |  |  |  |  |  |  |  |
|  Unilateral (*n* = 35) | 55.2 (12.4) | 21 (60) | 26.3 (5.6) | 15 (42.9) | 30.7 (5.8) | 8 (22.9) | - | 6 (17.1) |
|  Bitemporal (*n* = 32) | 57.4 (12.9) | 22 (68.8) | 28.1 (4.8) | 14 (43.8) | 29.8 (7.1) | 8 (25) | - | 7 (21.9) |
|  *Statistics* | *t* = -0.72, *p* = 0.48 | χ2 = 0.56, *p* = 0.46 | *t* = -1.32, *p* = 0.19 | χ2 = 0.005, *p* = 0.94 | *t* = 0.58, *p* = 0.57 | χ2 = 0.04, *p* = 0.84 | - | χ2 = 0.24, *p* = 0.63 |
| Response |  |  |  |  |  |  |  |  |
|  Yes (*n* = 42) | 59 (12.6) | 25 (59.5) | 26.6 (4.7) | 15 (35.7) | 30.3 (7) | 12 (28.6) | 23 (54.8) | 8 (19) |
|  No (*n* = 25) | 51.6 (11.2) | 18 (72) | 28.2 (6.1) | 14 (56) | 30.1 (5.3) | 4 (16) | 12 (48) | 5 (20) |
|  *Statistics* | *t* = 2.40, *p* = 0.02 | χ2 = 1.06, *p* = 0.30 | *t* = -1.14, *p* = 0.26 | χ2 = 2.63, *p* = 0.11 | *t* = 0.14, *p* = 0.89 | χ2 = 1.36, *p* = 0.24 | χ2 = 0.29, *p* = 0.59 | χ2 = 0.009, *p* = 0.92 |
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|  |  |  |  |  |  |  |  |  |
|  | Age,Mean (SD),Years | Sex, No. (%) Female | BMI,Mean (SD) | Smoking,No. (%) Yes | BaselineHAM-D-24,Mean (SD) | Psychosis,No. (%) Yes | Electrode Placement, No. (%) Unilateral | Polarity,No. (%) Bipolar |
| Remission |  |  |  |  |  |  |  |  |
|  Yes (*n* = 34) | 59.8 (11.9) | 21 (61.8) | 26.1 (4.4) | 12 (35.3) | 29.9 (6.4) | 9 (26.5) | 19 (55.9) | 6 (17.6) |
|  No (*n* = 33) | 52.6 (12.4) | 22 (66.7) | 28.3 (5.9) | 17 (51.5) | 30.6 (6.5) | 7 (21.2) | 16 (48.5) | 7 (21.2) |
|  *Statistics* | *t* = 2.45, *p* = 0.02 | χ2 = 0.18, *p* = 0.68 | *t* = -1.76, *p* = 0.08 | χ2 = 1.80, *p* = 0.18 | *t* = -0.44, *p* = 0.66 | χ2 = 0.26, *p* = 0.61 | χ2 = 0.37, *p* = 0.54 | χ2 = 0.14, *p* = 0.71 |

BMI, body-mass index; HAM-D24, Hamilton depression rating scale, 24-item version; SD, standard deviation.