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| Table S1: Clinical outcomes of for patients having a vitamin D below 50 nmol/l at baseline |  |
|  | Intervention group (n=19) | Control group (n=25) |  |
|  | Baseline | 12 weeks | 24 weeks |  | Baseline | 12 weeks | 24 weeks | P value 12 weeks | P value 24 weeks |
| Hamilton | 19.1 (5.77) | 10.4 (5.18) | 9.57 (6.85) |  | 17.8 (5.48) | 8.89 (6.13) | 9.47 (8.19) | 0.67 | 0.82 |
| MDI | 33.7 (11.5) | 22.8 (9.73) | 15.4 (11.2) |  | 32.3 (7.87) | 19.3 (10.3) | 20.7 (11.8) | 0.20 | 0.34 |
| WHO-5 | 23.8 (16.9) | 36.3 (24.7) | 50.5 (31.7) |  | 23.2 (13.3) | 41.3 (23.0) | 47.2 (23.4) | 0.25 | 0.76 |
| Vitamin D | 28.4 (10.2) | 87.7 (26.3) | 96.5 (25.6) |  | 30.7 (11.3) | 36.9 (19.2) | 41.8 (21.3) |  |  |
| Values are mean (SD) unless P value |  |
| Hamilton = Hamilton Rating Scale for depression (HRSD-17) |
| MDI = Major depression Inventory |
| WHO5 = WHO5 Well-being Index Vitamin D = 25(OH)D level  |