**Table S1 Predictions of SSE at 6 months**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Group | Predictor | SSE | NonSSE | Total | AUC | AUCp-value | t-testp-value | Cox RegressionOdds RatioSSE | Coxp-value  |
| **All Subjects Enrolled** |
| All | CFIS | 32 | 306 | 338 | 0.807598 | 5.08E-09 | 7.94E-12 | 2.761694 | 3.76E-08 |
| All | SCS | 32 | 306 | 338 | 0.630566 | 0.003903 | 0.000461 | 1.799228 | 4.76E-07 |
| All | VAS | 20 | 150 | 170 | 0.752167 | 0.000126 | 0.003803 | 1.572687 | 2.46E-03 |
| Females | CFIS | 13 | 161 | 174 | 0.796226 | 0.000191 | 2.15E-05 | 2.505233 | 4.78E-04 |
| Females | SCS | 13 | 161 | 174 | 0.690397 | 1.21E-05 | 0.010917 | 1.920624 | 8.97E-05 |
| Females | VAS | 7 | 73 | 80 | 0.622309 | 0.143256 | 0.412237 | 1.060446 | 4.35E-01 |
| Males | CFIS | 19 | 145 | 164 | 0.813612 | 4.43E-06 | 9.19E-08 | 3.124637 | 1.78E-05 |
| Males | SCS | 19 | 145 | 164 | 0.648457 | 0.000447 | 0.010992 | 1.716278 | 7.61E-04 |
| Males | VAS | 13 | 77 | 90 | 0.822677 | 0.000102 | 0.001678 | 1.888411 | 4.40E-04 |
| **Negative on initial visit SCS** |
| All | CFIS | 18 | 275 | 293 | 0.800707 | 9.54E-06 | 3.04E-06 | 2.586005 | 2.68E-05 |
| All | VAS | 12 | 128 | 140 | 0.750977 | 0.002044 | 0.029453 | 1.558999 | 8.27E-03 |
| Females | CFIS | 7 | 148 | 155 | 0.78668 | 0.005204 | 0.005791 | 2.552176 | 8.52E-03 |
| Females | VAS | 5 | 63 | 68 | 0.630159 | 0.167174 | 0.584339 | 0.957167 | 4.62E-01 |
| Males | CFIS | 11 | 127 | 138 | 0.812097 | 0.0003 | 0.000185 | 2.561965 | 5.38E-04 |
| Males | VAS | 7 | 65 | 72 | 0.824176 | 0.002464 | 0.020696 | 1.868301 | 1.15E-03 |
| **Restricted to having both VAS and CFIS data** |
| All | CFIS | 20 | 150 | 170 | 0.774333 | 3.42E-05 | 4.03E-07 | 2.659799 | 0.00026 |
| All | VAS | 20 | 150 | 170 | 0.752167 | 0.000126 | 0.003803 | 1.572687 | 0.004919 |

**Table S2 CFI-S Predicting Future SSE at 6 months follow-up in All Patients**

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Description | Stepwise | **T-Test(1tailed)** **Any Future SSE vs. No SSE** |
| **1** | **Psychiatric illness diagnosed and treated**  | **Y** | **7.47E-23** |
| **8** | **Chronic stress: perceived uselessness, not feeling needed, burden to extended kin** | **Y** | **1.09E-09** |
| **16** | **Chronic stress: lack of positive relationships, social isolation**  | **Y** | **5.02E-07** |
| 10 | Dissatisfaction with present life  | **Y** | **1.9E-05** |
| 11 | Lack of hope for the future | **Y** | **2.12E-05** |
| 4 | Personally knowing somebody who committed suicide  | **Y** | **5.92E-05** |
| 13 | Past history of suicidal acts/gestures | **Y** | **0.000219** |
| 18 | Lack of coping skills (cracks under pressure) | **Y** | **0.001422** |
| 7 | Acute stress: losses, grief  | **Y** | **0.002099** |
| 5 | History of abuse: physical, sexual, emotional, neglect | Y | **0.00359** |
| 3 | Family history of suicide in blood relatives | Y | **0.006033** |
| 20 | History of command hallucinations of self-directed violence | Y | **0.011957** |
| 19 | Lack of children | Y | **0.020362** |
| 2 | With poor treatment compliance | Y | **0.029489** |
| 12 | Current substance abuse | Y | **0.031724** |
| 9 | History of excessive introversion, conscientiousness  | Y | **0.048101** |
| 17 | History of excessive extroversion and impulsive behaviors (including rage, anger, physical fights, seeking revenge)  | Y | 0.050897 |
| 22 | Gender: Male  | Y | 0.101934 |
| 15 | Acute stress: rejection  | Y | 0.121174 |
| 21 | Age: Older >60 or Younger <25  | N | 0.233137 |
| 14 | Lack of religious beliefs | N | 0.291845 |
| 6 | Acute/severe medical illness, pain | N | 0.417049 |

**Table S3 CFI-S Predicting Future SSE at 6 months follow-up in Negative SCS Patients**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Description** | **Stepwise** | **T-Test(1tailed)** **Any Future SSE vs. No SSE** |
| **1** | **Family history of suicide in blood relatives** | **Y** | **7.56E-61** |
| **8** | **Age: Older >60 or Younger <25**  | **Y** | **1.54E-05** |
| **16** | **Past history of suicidal acts/gestures** | **Y** | **2.94E-05** |
| 4 | History of excessive extroversion and impulsive behaviors (including rage, anger, physical fights, seeking revenge)  | Y | **0.003235** |
| 10 | Psychiatric illness diagnosed and treated  | Y | **0.00416** |
| 13 | Dissatisfaction with present life  | Y | **0.013872** |
| 11 | Chronic stress: perceived uselessness, not feeling needed, burden to extended kin | Y | **0.013879** |
| 20 | Lack of children | Y | **0.028667** |
| 19 | History of abuse: physical, sexual, emotional, neglect | Y | **0.034668** |
| 17 | Lack of coping skills (cracks under pressure) | Y | **0.044985** |
| 2 | History of command hallucinations of self-directed violence | Y | 0.050842 |
| 18 | Acute stress: losses, grief  | Y | 0.065123 |
| 7 | Acute stress: rejection  | Y | 0.075693 |
| 5 | Acute/severe medical illness, pain | Y | 0.098471 |
| 22 | Current substance abuse | Y | 0.117927 |
| 3 | History of excessive introversion, conscientiousness  | Y | 0.204411 |
| 12 | Chronic stress: lack of positive relationships, social isolation  | Y | 0.213537 |
| 9 | Lack of religious beliefs | Y | 0.225346 |
| 15 | Personally knowing somebody who committed suicide  | Y | 0.353895 |
| 6 | Gender: Male  | Y | 0.380797 |
| 14 | Lack of hope for the future | N | 0.126257 |
| 21 | With poor treatment compliance | N | 0.217845 |