**Supplementary Material 2** Clinical and demographic characteristics of the subjects with apathy and without apathy.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristics | Apathy+(N=21) | Apathy- (N=35) | Overall(N=56) | P value |
| NPI Total Score | 24.80(9.14) | 16.69(8.57) | 19.10(9.59) | 0.002\*\* |
| DelusionHallucinations AgitationDepressionAnxietyEuphoria ApathyDisinhibitionIrritabilityAberrant Motor BehaviorNighttime Behavior DisturbancesAppetite and Eating Abnormalities | 1.65(1.23)2.00(1.26)1.80(1.32)1.85(1.04)1.65(1.35)1.65(1.34)6.00(1.92)1.30(0.92)2.05(1.31)2.15(1.53)0.75(0.65)1.95(1.19) | 1.46(1.20)1.37(1.11)1.27(1.24)1.29(1.10)1.48(1.18)1.18(1.11)2.06(1.02)1.04(0.97)1.60(1.45)1.71(1.25)1.07(0.97)1.31(1.02) | 1.50(1.17)1.57(1.17)1.47(1.27)1.43(1.11)1.53(1.21)1.26(1.25)3.49(2.37)1.05(0.99)1.97(1.46)1.96(1.46)0.96(0.83)1.48(1.13) | 0.5710.0710.2340.0680.3590.1310.000\*\*\*0.2470.2600.2570.1970.053 |

Mean (Standard Deviation) for all characteristics.

\*\*P＜0.01 Apathy+ relative to Apathy-, \*\*\*P＜0.001 Apathy+ relative to Apathy-.